

Wireless Data Acquisition System Hardware System Setting Software MODEL: WDS-WIN01 Instruction Manual

[Web version]



Notice to Customer

Thank for your using our PATLITE products.

The WDS-WIN01 hardware system setting software (hereafter referred to as "this product") is intended exclusively for the WD-Z2 and WD PRO Series Wireless Data Acquisition System.

- This manual describes the functions supported in Version 1.04. Depending on the version you use, some functions are not supported or screen layouts are different. We recommend the latest version which supports all functions.
- Before using this product, check the manual to see if your signal tower model is supported.
- · Review the Software License Agreement before using this product.
- To ensure correct use, read this manual thoroughly prior to installation. Read this manual together with [WDT- □ LR-Z2/WDR-L(E)-Z2 Instruction Manual].
- Re-read this manual before conducting maintenance, inspections, and repairs. If there are any questions concerning this product, refer to the contact information at the end of this document and contact your nearest PATLITE Sales Representative.

To the Contractor

- · Before installing, read this manual carefully to ensure correct installation.
- · Return this manual to the customer.

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1 Before you begin

1.1 About Safety Symbols

To prevent injuries and product damage, note the following:

• The following symbols classify warnings and cautions, and describe the level of harm and damage that will occur when the corresponding instructions are not followed properly.

This symbol indicates, "Failure to follow the instructions may lead to death or serious injury."
This symbol indicates, "Failure to follow the instructions may lead to injury or property damage."

• The following symbols classify and describe the content of associated messages.

	ibited This symbol indicates "Prohibited" operations that should never be carried out.		
Mandatory	This symbol indicates "Mandatory" instructions that should always be carried out.		
Â	This symbol indicates general "Caution" related information.		

1.2 Safety Precautions

	The wireless data acquisition system (hereafter referred to as "this system"), attaches to existing machinery and equipment. This system works with signal towers and sends changes in the operation status of signal towers via a wireless transmitter to a receiver that collects the data. Do not use this system for any other purpose.			
Prohibited	To prevent accidents, do not use this system other than for its intended purpose and do not run operations or maintenance other than those described in this manual.			
	This system is not intended for use in applications where life is at risk, such as medical equipment, atomic energy equipment and machinery, aviation and aerospace, transportation, and control of other equipment. If this system is used for these applications, we cannot be held responsible in the event of injury, death, or property damage.			
	Turn off the power before installing any equipment or electric wiring. Failure to follow this instruction could result in electric shock.			
•	 In places such as aircraft and hospitals, turn off each of these systems where usage of wireless devices is prohibited and where its radio waves affect surrounding equipment. 			
Mandatory	We cannot foresee all circumstances concerning the handling and dangers associated with this system. Therefore, not every possible danger is indicated in this instruction manual. To prevent accidents when operating or maintaining each of these systems, in addition to the safety guidelines identified in the instructions of this manual, follow all general safety guidelines.			

CAUTION				
	Do not use this system in applications that require a high-degree of reliability or real- time performance. If there are communication problems, this product cannot retrieve accurate data.			
	 Do not use or store this system in the following locations. Failure to follow this instruction could result in a malfunction or product failure. 			
\wedge	 Environments with poor breathability and ventilation 			
\odot	 Near equipment that generate strong electrical or strong magnetic fields 			
Prohibited	 Places exposed to direct sunlight 			
	 Locations subject to shock and vibration 			
	· Near heating appliances			
	\cdot Environments where there is dust, iron powder, and so on			
	\cdot Places near fire or environments with high temperatures and humidity			
	 Locations where the product may experience a drop 			
	 Locations exposed to salty sea air 			
Mandatory	Inspect the operating environment throughly before installing this system.			

 Although this system has a high level of security, there is the potential for third-parties to intercept communications as this product uses radio waves.
◆ When using this system, pay close attention to the following:
• Due to the nature of radio waves, communication can be disabled even over insignificant distances as a result of noise or other environmental factors.
• To prevent static shock, make sure your body is discharged of static electricity. (You can discharge static electricity by touching grounded metal objects.)
About the Operating Environment
• We have tested the system with existing computers in a normal operating environment. Depending on operating conditions such as the type of computer, peripheral devices, and other applications in use, there may be cases where this system will not run properly.
 Software copyrights are held by our company.
• Do not use this software in other products, or duplicate or modify a portion or all the software without prior written permission.
◆ Disposing this product
 When disposing of this product, follow the rules and regulations on how to handle recyclable materials as outlined in your community.
◆ About this manual
\cdot The contents of this manual are subject to change without notice.
Images in this manual are for illustration purposes only, and may differ from the actual product. Additionally, the illustration may hide parts of the product for ease of explanation.
This manual is copyrighted. No part of the manual, including drawings or technical information, can be copied or duplicated in any manner, without prior consent.
If you have any questions or need further information, contact your nearest PATLITE sales representative.

We cannot warrant against breakdowns caused by disassembling this product, natural disasters, or handling of this product that is contrary to any warnings or precautions. Avoid using this product in ways other than those described in this manual.

We cannot be held responsible for damages and injuries caused by failing to pay attention, or failing to follow precautions, during operation and maintenance.

2 Overview

2.1 About this product

This product (software) is for:

- setting up WDT and WDR
- · collecting signal tower information and saving it as CSV data

using the CSV data with visualization application software

2.2 About Models

(1) Model

WDS-WIN01

(2) WDR, WDT and WDB models

Туре			Model	
WDR			WDR-L-Z2	
			WDR-LE-Z2	
	WD PRO Receiver		WDR-L-Z2-PRO	
			WDR-L-Z2-PRO-L	
			WDR-LE-Z2-PRO	
			WDR-LE-Z2-PRO-L	
WDT -PRO			WDT-5E-Z2	
			WDT-6M-Z2	
			WDT-4LR-Z2	
			WDT-5LR-Z2	
			WDT-6LR-Z2	
		-PRO	WDT-6LR-Z2-PRO	
WDB *			WDB-D80S-PRO	

*Use only with WDT-PRO.

2.3 System Configuration

- (1) System Configuration
 - 1 Run Time System Configuration
 - Diagram



Configuration

Item	Number of configuration items	Models	
WDT	1 to 30 units*1 per receiver	WDT-4LR-Z2/WDT-5LR-Z2/WDT-6LR-Z2/ WDT-5E-Z2/WDT-6M-Z2/ WDT-6LR-Z2-PRO (WDB-D80S-PRO)	
WDR 1 to 20 units		WDR-L-Z2/WDR-LE-Z2/ WDR-L-Z2-PRO/WDR-L-Z2-PRO-L/ WDR-LE-Z2-PRO/WDR-LE-Z2-PRO-L	
WDS	1	WDS-WIN01 (this product)	
Host PC*2	1 unit	-	

*1. For more information, refer to 🖙 section 6.1.5 "How Many WDT you can connect to WDR" in the "[WDT- 🗆 LR-Z2/WDR-L(E)-Z2 Instruction Manual]".

*2. When connecting the WDR directly to the host PC with a LAN cable, use a cross cable.

② Maintenance System Configuration

When performing maintenance, ensure that only 1 WDT and 1 WDR are connected at one time. The following diagram shows a configuration example of the WDT-6LR-Z2 (using the WD System Setup Kit).

For information about the WDT system structure, refer to

☞ section 5.2.2.2 in the "[WDT- □ LR-Z2/WDR-L(E)-Z2 Instruction Manual]"

☞ section 5.2.2.2 in the "[WD PRO Series (WDB-D80S-PRO,WDT-6LR-Z2-PRO) Instruction Manual]"

• Diagram



Configuration

Item	Number of Units Required	Models	
WDT	Number as required	WDT-4LR-Z2 WDT-5LR-Z2 WDT-6LR-Z2	
WD System Setup Kit (optional)	1 unit	WDX-4LRB WDX-5LRB WDX-6LRB	
AC Adapter (optional) *1	1 unit	ADP-001	
WDR	1 unit	WDR-L-Z2/WDR-LE-Z2/ WDR-L-Z2-PRO/WDR-L-Z2-PRO-L/ WDR-LE-Z2-PRO/WDR-LE-Z2-PRO-L	
WDS	1	WDS-WIN01 (this product)	
Maintenance PC	1 unit	-	
LAN cable (cross cable) *2 *3	1	_	
USB Cable *4 *5	1	-	

*1. You can also use the AC Adapter (Z69433003-F1) included with the startup kit (WD-STARTZ2+T0158).

*2. When configuring the WDR LAN settings, connect with a LAN cable.

*3. When connecting the WDR directly to the host PC with a LAN cable, use a cross cable.

*4. Use a USB cable 3 m or shorter.

*5. Do not connect the LAN and USB cables at the same time.



Do not connect the LAN and USB cables to the WDR at the same time. Operation is not possible if connected at the same time.

2.4 Operation Environment

• Use this product in an operating environment that meets the below requirements.

Item				
CPU	Intel [®] Core™ 2 Duo 2.92 GHz or faster			
Memory	4 GB or more			
Display	XGA resolution (1024 x 768) or	higher		
Destination storage device	HDD			
System capacity	Space required for installation 500 MB or more * Separate capacity required for CSV file output.			
Browser	Internet Explorer [®] 11			
Microsoft [®] .NET Framework	4.5 or later			
	Operating system name	Bit	User rights	
	Windows [®] 7	32/64		
	Windows [®] 8.1	32/64		
	Windows [®] 10	32/64		
Supported operating systems	Windows [®] 11	64	Administrator	
	Windows [®] Server 2012 R2	64	Users	
	Windows [®] Server 2016	64		
	Windows [®] Server 2019	64		
	Windows [®] Server 2022	64		
Supported languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, Thai, Indonesian, Spanish			
Other	When using this product, turn off the computer's screen saver, sleep, and standby functions.			

Â	 Operations with the use of touch panels or tablets cannot be guaranteed. You cannot install the application or output data collection files to network drives and external storage devices such as SD cards and USB memory. Data collection does not run properly when the computer's screen saver, sleep, or standby functions are on. 						

2.5 About license authentication

• This product requires license authentication to use all of its functions.

A license card with a 17-digit license code is provided in paid versions of WDS-WIN01. The steps for license authentication are described in *s* section "6.2.1 License authentication".



3 Functions: Overview

3.1 Function Table

			Compa	atibility
Function	lcon	Description	Paid	Free
			version	version
WDT/WDR settings		Set up the WDT and WDR.	Х	х
Data collection		Collect signal tower information and save it as CSV data. * License authentication required on paid version.	Х	_

3.2 Operation screen layout: Overview

(1) Main menu: screen layout

S WDS-WIN01	- • ×
License information	Version
Authenticated	1.03
Data collection	WDT/WDR settings
Language settings	Exit
PATI	LITE.

(2) WDT/WDR settings: screen layout

MOS-WINDI			-	- ×	S WDS-WIN01	>
	settings				MDT settings	
	Joungo				WD1 Settings	Manua a Maran
WD1 settings		1		- 1	Current settings	New settings
WDT list	Update WDT list]	Select to conti	ngure	MAC Address Firmware version	Apply All Setting Changes
No Select	Status	MAC Address	User name		00004CFFFEC6AGAT 2207	
	Second and	590000EEEE53007D	Mashina 01		ExtendedPanID	ExtendedPanID
2 0 0	Connected	6CE4D4FEEE019955	Machinell?		0000 0000 0000 1111	0000 0000 0000 1111
3 🗆 0	Connected	00004CFFFEC8A5A1	Machine03		Frequency Channel	Frequency Channel Soloct all
					11 12 13 14 15 16 17 18	
					19 20 21 22 23 24 25 26	19 20 21 22 23 24 25 26 Clear all
- Current settings		- New settings			Determine Signal Tower Input	Determine Signal Tower Input
MAC Address	Firmware version	inen oomingo			Flashing (medium)	Flashing (medium)
58C232FFFE578129	2.99	App	ly All Setting Changes		Power supply settings	Power supply settings
ExtendedPanID		ExtendedPanID			White	White
	000 1111	0000 0000	0000		Counter settings	Counter settings
Frequency Channel	1	Frequency Channel			Do not use	Do not use
11 12 13 14 15	16 17 18	11 12 13 14 1	15 16 17 18 Select a	all	Transmission mode	Transmission mode
19 20 21 22 23	24 25 26	19 20 21 22 2	23 24 25 26 Clear al	all	Immediate transmission	Immediate transmission 🔹
Network startup method		Network startup method			Connection allowed	
Automatic start (recommend	ded)	Automatic start (recomm	rended) ·		Permitted	
	attingo (1/2			Back		Back
WDS-WINHT WDT-PRO S	Settings (1/2	·)		Back	WDT-PRO Settings (2/2)	
WD5-WW01	Settings (1/2	[Back	Wost wives WDT-PRO Settings (2/2) Base Unit Model Firmware version WDB DBSPR [0 2]	Apply All Setting Changes
WCS-WHOT WDT-PRO S MAC Address ØCE40AFFE019955 Current settings	Settings (1/2 Firmware version	?)		Back	woo when WDT-PRO Settings (2/2) Brob Leas Pro Current settings	Apply All Setting Changes
WOS-WWW WDT-PRO S MAC Address [6Ce4DAFFFE019955] Urieless Sattings Wireless Sattings	Settings (1/2 Firmware version 0.21	?)		Back	Sites when WDT-PRO Settings (2/2) Base Unit Model Firmware version MOB D803.PRO 021 -Current settings -VVDB Settings	Apply All Setting Changes
MC Address DCE4DAFFFE019955 Current settings ExtendedPanID ExtendedPanD	Settings (1/2 Firmware version 0.21	New settings Viveless Settings ExtendedPantD		Back	Web when: WDT-PRO Settings (2/2) Base that Model (NDB Bools PRO -Current settings -VURD Settings Determine Signal Tower Input	Apply All Setting Changes New settings W08 Settings Determine Signal Tower Input
MG: www MG: Address joce40AFFFE01955 Current settings Wireless Settings ExendedPanD j0000 0000 0000 p0000 0000	Settings (1/2 Firmware version 021	2) Vereises Settings – Kennedfanti Diooo Toooo Frequency Channel		Back	Wots when: WDT-PRO Settings (2/2) Brob Leds PRO Current setings - WDB Settings - WDB Settings - Betermines Signal Tower Input Fasting (modum) Prover signal Tower Input Prover signal Tower Input Prover signal Tower Input Prover signal Tower Input	Apply All Setting Changes
WG: WW0 WDT-PRO S MCAddress [6CEA0AFFFE019955] Unrent settings Wreitess Settings ExtendedPanD [0000 [0000 [0000	Settings (1/2 Firmware version 021	Wex settings Extended anD Doco (poor Frequency Channel 10 (poor Frequency Channel 10 (poor Frequency Channel 10 (poor Frequency Channel	0000 1111 5 60 77 168 _ Select	Back	Stors were: WDT-PRO Settings (2/2) Base Unit Model Firmware version WDB 0805-PRO [0.21 -Current settings Determine Signal Tower Input Flashing modum) Power supply settings Power Supply vertings	Apply All Setting Changes
	Settings (1/2)	New settings - Wireless Settings - Dimonstration Dicoo 0000 Frequency Channel 10 12 10 20 10 20 10 20 10 20		Back Ct all	Wes when WDT-PRO Settings (2/2) Base thit Model (D21 Current settings Current settings WDS Settings Determine Signal Tower Input Fashing (medium) Power supply vettings Power Supply Weiting Current settings	Apply All Setting Changes New settings VOID Settings Determine Signal Tower Input Flashring (medung) Power suphy settings Power settings Determine signal Tower Input Flashring (medung) Power saply Wire Counter settings
WG- wwen MCA Caddress JOCE4DAFFE610955 Current settings Wireless Settings FeednedsPanito 0000 0000 Prequency Channel 11 12 13 12 22 22 24	Settings (1/2 Firmware version 0.21 1111 1111 1111 1111 1111	2) Viveless Settings - Viveless Settings - Viveless -	0000 [1111 6 00 17 00 Selec 72 24 25 28 Cear	Back Back ct all	work when WDT-PRO Settings (2/2) Base Unit Model WDT-PRO Settings (2/2) Current settings WDS 2005 PRO Determines Determines Signal Tower hput Flashing (modum) Power supply Withs Counter settings Do to the Sanchilde for falamenoing Signal tange - a facet	Apply All Setting Changes
MCC When MAC Address DCEAUAFTFE019955 DCEAUAFTFE019955 Current settings Wardess Settings ExtendedPanID D0000 D0000 Frequency Channel If 12 33 M2 24 22 24 WDT Settings	Settings (1/2 Firmware version 0.21 [1111] [111] [111] [111] [111] [111] [111] [111] [111] [111]	2) Mexi settings Extended and Frequency Channel 10 20 20 22 22 WDT Settings		Back Back ct all ur all	wes wee: WDT-PRO Settings (2/2) Base Unit Model IVOB Settings Curvert settings WDB Settings WDB Settings WDB Settings Determice Signal Tower hput Fabrag (medun) Power Signal Tower hput Fabrag (medun) Settings Counter settings Dotormice Signal Tower hput Fabrag (medun) Power Signal Tower hput Power Signal Tower hput Fabrag (medun) Power Signal Tower hput Power Signal To	Apply All Setting Changes
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WOS-SWEE MAC Address [CCE40AFFE019955] CCE40AFFE019955 Current settings Werless Settings ExtendedPanID 0000 0000 Frequency Channel 10 10 10 10 20 22 22 WDT Settings Tarismission mode [mmediate taramesion]	Settings (1/2 Firmware version 0.21	New settings - -	0000 [1111 [10] [18] [27] [18] Select [28] [28] [29] [29] [20] [20] [20] [20] [20] [20] [20] [20	Back Back ct all r all	Wos www WDT-PRO Settings (2/2) Base Unit Model WDB 20805-PRO Dot Dot Settings WDB Settings Wos supply settings Power supply settings Prover Supply settings Pro	Apply All Setting Changes Apply All Setting Changes New settings. WDB Setting Changes Determois Signal Torer Input Flashing (modum) Power supply settings. Power supply settings. Counter settings. Counter settings. Sensitivity for Determining Simultaneous Input Sensitivity for Sectemining Simultaneous Input RS-222C Communication Settings.
	Settings (1/2 Firmware version 0.21	New sellings Wieless Settings Seting Settings Setings Seting Settin		C all	wes when: WDT-PRO Settings (2/2) Base tint Model MOSE Despend Courtent settings Current settings Determine Signal Tower Input Fasting medium Power supply settings Power Supply Wite Courter settings Do tate Sensitivity for Determining Simultaneous Input Figh Sensitivity Reserved Data	Apply All Setting Changes New settings: VWDB Setting: Determine Signal Tower Input Four settings: OWDB Settings: Down State Determine Signal Tower Input Four settings: Counter settings: Setting Note: Setting Note: Setting Not Determining Simultaneous Input File Formation Settings File Formation Received Data
NOS-WHEI MAC Address OCEANOFFED19955 Current settings Wireless Settings Exchanderhand 1000 0000 pool poo	Settings (1/2 Firmware version 0.21 [1111 0.22 [100 0.22 [20]	New settings Wireless Settings EvenedBanD Dooro Frequency Channel 10 12 13 12 13 12 13 12 13 12 13 12 13 12 13 12 13 14 14 15 15 15 15	70000 1111 10 19 27 19 Select 10 12 28 28 20 Clear 11 11 12 12 28 20 Clear 11 11 12 12 12 12 12 12 12 12 12 12 12 12 12 1	Back Back	work www: WDT-PRO Settings (2/2) Base Unit Model WDT-PRO Settings (2/2) Buse Unit Model WDT-SetTings WDT-SetTing WDT-SetTings WDT-SetTings WDT-SetTings	Back Apply All Setting Changes New settings WDB Settings WDB Settings WDB Settings WDB Settings Power Suply settings Power Suply settings Power Suply Wite Do not use Settings Do not use Settings Control and Settings Simultaneous input Fig. Sensitivity R5.222C Communication Settings Fig. Sensitivity R5.222C Communication Settings Fig. Sensitivity
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INGS WHEET MAC Address DCEADAFFE019955 Current settings Verlasts Settings ExtendedPantD 00000 0000 00000 0000 00000 0000 00000 0000 Image: Settings ExtendedPantD	Settings (1/2 Firmware version 0.21	New settings Wireless Settings EvenessPaniD DocoursePaniD DocoursePaniD DocoursePaniD DocoursePaniD DocoursePaniD Toros Toros Toros Pendot Transmission mode Immediate harmssion Pendot Signal Toxer Format Sandard Industry	0000 1111 15 16 17 18 28 28 28 28 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21	Back	Mode where: WDT-PRO Settings (2/2) Base tini Model Mode Bogs Pro Determine Signal Tower Input Fashing (medum) Power supply settings Power Supply vettings Power Sup	Apply All Setting Changes New settings VOID Setting Changes VOID Settings Power settings Pister Communication Settings File Communication Settings File Communication Direct Communication Buil Length Panty Step Bit
Work-server WDT-PROS CAddees CCE4DAFFFE019955 Corrent settings Workess Settings ExtendedPanD 0000 0000 100 12 12 100 12 12 12 100 12 12 12 12 WDT Settings Transmission mode Primod: Transmission Signal tower Format Standard Signal transmission Wort R Wort R Wort R	Settings (1/2 Firmware version 0.21 [1111 [111] [12] [16] [22] [20] [22] [20] [22] [20] [22] [23] [23] [24] [25] [25] [25] [25] [25] [25]	New settings Wretess Settings Wretess Settings ExtendedmanD Doodo Frequency Channel 10 12 13 12 13 12 13 12 13 12 13 12 13 12 13 12 13 12 13 14 13 12 13 14 14 14 15 15 15		Back Back	Wotk where: WDT-PRO Settings (2/2) MUDT-PRO Settings (2/2) MUDT-PRO Settings WDT-PRO Settings Current settings Current settings Work supply Settings Over Supply With Courter settings Do not use Sensitivity for Determining Simultaneous Input Figh Sensitivity Readinativity Readinativity Readination Settings File Format for Received Data Direct Communication Budinate Mode Party Stop Bit Bet File Fil	Apply All Setting Changes New settings
Indici when MAC Address [05:E40.47FFE019855] Occal Address [05:E40.47FFE019855] Outred settings ExtendedPanID [0000] Obio 0000 0000 [0000 0000 [0000] Frequency Channel [10] 10 <th< td=""><td>Settings (1/2 Firmwae version 0.21 1111 20 10 20 20 Method</td><td>2) Nev setings Exenses setings Exenses setings Frequency Channel WOT Settings Transmission mode Woth Settings Transmission Transmission Note Transmi</td><td></td><td>ct all</td><td>wes were: WDT-PRO Settings (2/2) Base Unit Model Mose Base Not Inc. (0.21</td><td>Back Apply All Setting Changes Apply All Setting Changes Work settings: Work settings:</td></th<>	Settings (1/2 Firmwae version 0.21 1111 20 10 20 20 Method	2) Nev setings Exenses setings Exenses setings Frequency Channel WOT Settings Transmission mode Woth Settings Transmission Transmission Note Transmi		ct all	wes were: WDT-PRO Settings (2/2) Base Unit Model Mose Base Not Inc. (0.21	Back Apply All Setting Changes Apply All Setting Changes Work settings: Work settings:
MGs when MGC Address MCA CAddress OFCEADAFFE019955 Current settings ExtendedPantD 0000 0000 Frequency Channel 10	Settings (1/2 Firmware version 0.21	2) New settings Wieless Settings Vieless Settings Vieless Settings Vieless Settings Vieless Settings Vieless Settings Vieless Vieles Vieles Vieless Vieles V	0000 1111 15 16 17 18 28 28 28 28 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 21 22 28 28 28 28 21 21 21 21 21	Back Ct all ct all r all	Mode where: WDT-PRO Settings (2/2) Base Unit Model Mode Bogs Pro Determine Signal Tower Input Flashing (medum) Power supply settings Power Supply Vitre Counter settings Determine Settings Power Supply Power Supp	Apply All Setting Changes New settings Wold Setting Changes New settings Wold Setting Changes Open settings Power Stage Wire Control Setsitive for Determining Simultaneous Input Figs.522C Communication Settings File Format for Received Data Direct Communication Built Length Panty Stop Setting Stop Setting Direct Communication Built Length Panty Stop Setting

(3) Data collection operation: screen layout

tion opera	ation												
				🧱 Collecting data WDR information									
1 information				W.	DR.L.72	1		1		1		1	
				FE	actory01								
ation settings	E	xport operation settings		Colle	ecting data								
				WDT	3	WDT		WDT		WDT		WDT	
					26 ch		ch		ch		ch		C
		_				i		í				·	
		Select folder											
ttings													
				WDT		WDT		WDT		WDT		WDT	
	Data collect	ion method			ch		ch		ch		ch		c'
	C Autor	natic start				i		í — —	1			·	
st	@ Manu	al start											
		in otant											
				WDT		WDT		WDT		WDT		WDT	
C Use with USF	в				ch		ch		ch		ch		d
ID address	Port	Licer name				1		-					
- address	10001	Username											
1	10001												
d	10001			WDT		WDT		WDT		WDT		WDT	
	10001		-		ch		ch		ch		ch		C d
					/ 1								
n ii	ttings	ttings ttings ttings ist Cuse with USB IP address IP address 10001 10001	ation settings Export operation settings st Select folder ttings Cata collection method ist Cata collection method ist Cata collection method ist Cata collection method ist Catomatic start implement Manual start	ation settings Export operation settings Select folder ttings Obta collection method - Automatic start • Manual start	ation settings Export operation settings Colic wDT Select folder WDT ttings Data collection method WDT ist C Automatic start WDT v Manual start WDT ist 0001 WDT i0001 WDT	ation settings Export operation settings UDT 3 Select folder trings Data collection method	ation settings Export operation settings Factory01 Contention data Select folder 3 WDT 3 WDT Select folder	bit operation settings Factorolit	ation settings Export operation settings Factorof1	balan settings Export operation settings Factory01	bit on settings Export operation settings WDT WDT	ation settings Export operation settings	abion settings Export operation settings Image: settings

4 Operation guidelines

4.1 Using WDS-WIN01 for the first time



4.2 Setting up the WDT and WDR

●STEP1	Prepare and connect equipment	☞ 2.3 (1)				
	+					
●STEP2	Configure the network settings on the computer (initial WDR connection)	জ্ঞ 6.1.1 (1)				
	+					
●STEP3	Start up WDS-WIN01	IS 5.3				
	+					
●STEP4	Configure the network settings on the WDR	☞ 6.1.1 (2)				
	ŧ					
●STEP5	Set up the WDT	l☞ 6.1.2				
	ŧ					
●STEP6	Set up the WDR	l☞ 6.1.3				
	+					
●STEP7	Configure link with WDR host (WD PRO receiver only)	☞ 6.1.4				

4.3 Checking the WDT and WDR communication status

●STEP1	Check the WDT wireless status	☞ section 6.3.5.3 in the "[WDT- □ LR-Z2/WDR-L(E)-Z2 Instru ☞ section 6.4.2 in the "[WD PRO Series (WDB-D80S-PRO,W Instruction Manual]"	iction Manual]" DT-6LR-Z2-PRO)				
	+						
●STEP2	Check WDT and W	☞ 6.5					
	ŧ						
●STEP3	Confirm WDT connection using WDT ping 5.6						
	+						
●STEP4	Clear counter value		<i>☞</i> 6.7				

4.4 Running data collection

(1) When configuring settings before collecting data

●STEP1	Prepare and connect equipment	I I I I I I I I I I I I I I I I I I I					
+							
●STEP2	Configure network settings on the computer (WDR connection)	☞ 6.1.1 (1)					
	↓ ↓						
●STEP3	Start up WDS-WIN01	<i>☞</i> 5.3					
	+						
●STEP4	Set up save destination for collected data	☞ 6.2.2					
	+						
●STEP5	Set up file format for collected data	☞ 6.2.2					
	+						
●STEP6	Save WDT user name	lङ 6.2.3					
	+						
●STEP7	Register group for collection (register WDR)	☞ 6.2.4					
	+						
●STEP8	Start collecting	<i>☞</i> 6.2.4					
	•						
●STEP9	Stop collecting	☞ 6.2.7					
	•						
●STEP10	Save settings and return	☞ 6.2.8					

(2) When setup of various settings is already complete

●STEP1	Prepare and connect equipment	I 2.3 (1)
	•	
●STEP2	Start up WDS-WIN01	i≆ 5.3
	+	
●STEP3	Start collecting	☞ 6.2.4
	+	
●STEP4	Stop collecting	☞ 6.2.7

4.5 Export or import data collection settings information



4.6 Import WDS-AUTO2 user name information



4.7 Uninstall WDS-WIN01

●STEP1	Uninstall WDS-WIN01	l☞ 5.2
--------	---------------------	--------

5 Installation

This manual uses Windows[®]10 in the example procedures.

5.1 Installing



(1) Installing WDS-WIN01

The following steps describe how to install this product.

1.	Double-click setup.exe.	Setup.exe
2.	If the User Account Control window displays, click [Yes].	User Account Control × Do you want to allow this app from an unknown publisher to make changes to your device? Setup.exe Publisher: Unknown File origin: Hard drive on this computer Show more details Yes
3.	Select language and click [OK].	Select Setup Language × Select the language to use during the installation:

4.	 To continue installation, click [Yes]. To export, click [No]. 	Setup × Installing the update will initialize the current application settings. If you want to continue using the current settings, before running installation export the setup information. Follow the instructions in WDS-WIN01_readme.txt to install the update. Continue installation? Yes No
5.	Click [Next].	Setup - WDS-WIN01 - X Welcome to the WDS-WIN01 Subscription of the WDS-WIN01 Lious on your computer, It is recommended that you dose all other applications before continuing. Click Next to continue, or Cancel to exit Setup. Mext > Cancel
6.	Select destination folder and click [Next].	Setup - WDS-WIN01 — X Select Destination Location Where should WDS-WIN01 be installed? Setup will install WDS-WIN01 into the following folder. To continue, dick Next. If you would like to select a different folder, click Browse. Styprogram Files (x86) Patilite WDS-WIN01 Browse At least 67.6 MB of free disk space is required. At least 67.6 MB of free disk space is required. Cancel
	 To change the destination folder, click [Browse]. Select a folder and click [OK]. 	Setup - WDS-WIN01 - X Select Dest Where she Please select a folder from the list and press OK Please select a folder from the list and press OK Please select a folder from the list and press OK Desktop C: \Progra C: \Progra D DVD Drive (D:) IRM_CCSA_X64FRE_EN-US_D C: \Desktop D DVD Drive (D:) IRM_CCSA_X64FRE_EN-US_D C: \Desktop D DVD Drive (D:) IRM_CCSA_X64FRE_EN-US_D C: \Desktop Cancel Cancel Cancel

7.	Select whether to create a shortcut on the desktop, and click [Next].	 Setup - WDS-WIN01 Select Additional Tasks Which additional tasks should be performed? Select the additional tasks you would like Setup to perform while installing WDS-WIN01, then click Next. Create a desktop shortcut
		< Back Next > Cancel
8.	Click [Install].	Setup - WDS-WIN01 Ready to Install Setup is now ready to begin installing WDS-WIN01 on your computer. Click Install to continue with the installation, or click Back if you want to review or change any settings. Place of installation: C. Program Files (x66)Patite(WDS-WIN01 Installation function: WDS-WIN01 Installation function: WDS-WIN01 sub-system -WDS-WIN01.exe -WDS-WIN01.exe -WDS-WIN01.exe -WDS-WIN01.exe -WDS-WIN01.exe -WDS-WIN01.exe.config -log-inet.dll -dog-inet.dll -dog-inet.dll -default.wds -lang-Resources.res Back Instal Cancel
9.	Wait until installation is [Complete].	Setup - WDS-WIN01 — X Installing Please wait while Setup installs WDS-WIN01 on your computer. Creating shortcuts C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Patilite\WDS-WIN01.Ink Cancel

10.	Click [Finish].	Setup - WDS-WINOT Completing the WDS-WINO1 on your computer. The application may be launched by selecting the installed sort tots. Click Finish to exit Setup. Entry	
11.	When you select to create an icon on the desktop, a shortcut is created on the desktop.	VIDS WIND	
12.	■ Finish	_	

(2) Install USB drivers (when using USB connection)

◆ Depending on the operating system you are using (other than Windows 10), a USB driver may be required. USB drivers are stored in the installation folder [\patlite\WDS-WIN01\USB_Driver] (refer to ☞ section 5.1 (1) 6) path.

The following describes the installation process on Windows $^{\ensuremath{\mathbb{R}}}$ 7.

1.	Connect the WDR to the computer with a USB cable.		
2.	Open the Windows [Device Manager] screen and from [Other devices] double-click [CDC RS-232 Emulation].	Pevice Manager File Action View Help Imaging devices Imaging devices Imaging devices Imaging devices Imaging devices Memory technology driver Imaging devices Memory technology driver Mice and other pointing devices Monitors Network adapters Monitors Monitors CDC RS-232 Emulation Processors SM Driver Sound, video and game controllers System devices Universal Serial Bus controllers Inversal Serial Bus controllers	

3.	Click [Update Driver].	CDC RS-232 Emulation Properties	
4.	Click the [Browse my computer for driver software] option.	Image: Control of the second seco	
5.	Select the USB driver destination (folder defined in s section [5.1 (1) 6]) and click [Next].	Update Driver Software - CDC RS-232 Emulation Browse for driver software on your computer Search for driver software in this location: Civerogram Friles (060)/Palite(WDS-WIND3	
6.	Click [Install].	Windows Security Would you like to install this device software? Name: Microchip Technology, Inc. Ports (COM & Publisher: Microchip Technology Inc. Always trust software from "Microchip Technology Inc. Always trust software from "Microchip Technology Inc. You should only install driver software from publishers you trust. How can I decide which device software is safe to install?	

7.	Installation starts up.	
	■ Click [Close].	Windows has successfully updated your driver software
		Windows has finished installing the driver software for this device:
		Communications Port
		Close
8.	■ Finish	
		—

5.2 Uninstalling



The following steps describe how to uninstall this product.

1.	■ From the taskbar, click [Start].	
2.	From the [Start] menu, click [Settings].	 ⊗ → ☺ <!--</th-->
3.	From the [Settings] menu, click [System].	Seege - × Windows Settings Interference Interference Interference Participation Interference Interference
4.	From the [System] menu, click [Apps & Features].	 ✓ Settings W Home Find a setting System □ Display I I Apps & features I ⇒ Default apps □ Notifications & actions
5.	Locate [WDS-WIN01] and click it.	Microsoft Corporation5/30/20WDS-WIN01 1.00B2.18 NPATLITE corporation10/10/20

7. • If the User Account Control window Image: Control window Image: Control window 7. • If the User Account Control window Image: Control window Image: Control window 8. • Click [Yes]. Image: Control window Image: Control window 9. • Wait until the uninstall process is complete. Image: Control window Image: Control window 9. • Wait until the uninstall process is complete. Image: Control window Image: Control window 10. • Click [OK]. Image: Control window Image: Control window Image: Control window 11. • Finish (You do not need to restart your computer) - -	6.	Click [Uninstall].	Microsoft Corporation This app and its related info will be
7. • If the User Account Control window 7. • If the User Account Control window 8. • Click [Yes]. 8. • Click [Yes]. 9. • Wait until the uninstall process is complete. • Wait until the uninstall process is complete. • Uninstall process is complete. • Click [OK]. • Click [OK]. • The State of the			WDS-WIN01 1.00B PATLITE corporation Uninstalled.
 7. If the User Account Control window displays, click [Yes]. 8. Click [Yes]. 9. Click [Yes]. Wait until the uninstall process is complete. 10. Click [OK]. Click [OK]. 11. Finish (You do not need to restart your computer. - 			Modify Uninstall
 displays, click [Yes]. displays, click [Yes]. Do you want to allow this app from an unknown publisher to make changes to your device? uninst000.exe Publisher to make changes to your device? Show more details i e click [Yes]. West well biasal i e click [Yes]. West well biasal i e click [Yes]. I was until the uninstall process is complete. i west well biasal i west well biasal i e click [OK]. I Click [OK]. I Show nore details i west well biasal i west well biasal i e click [OK]. I i e finish (You do not need to restart your computer. i e finish 	7.	If the User Account Control window	Hare Associate Castrol
 Indicating with the second s		displays, click [Yes].	Do you want to allow this app from an unknown publisher to make changes to your device?
 8. Click [Yes]. 9. Wait until the uninstall process is complete. 9. Wait until the uninstall process is 10. Click [OK]. 11. Finish (You do not need to restart your computer.) 			unins000.exe Publisher: Unknown File origin: Hard drive on this computer
 8. Click [Yes]. 9. Wait until the uninstall process is complete. 9. Wait until the uninstall process is complete. 10. Click [OK]. 11. Finish (You do not need to restart your computer.) 			Show more details Yes No
 9. • Wait until the uninstall process is complete. 9. • Wait until the uninstall process is complete. 10. • Click [OK]. 11. • Finish (You do not need to restart your computer.) 	8.	Click [Yes].	WDS-WIN01 Uninstall × Are you sure you want to completely remove WDS-WIN01 and all of its components?
 9. Wait until the uninstall process is complete. 9. Wait until the uninstall process is complete. 10. Click [OK]. 10. Click [OK]. 11. Finish (You do not need to restart your computer.) 			Yes No
10. • Click [OK]. VDS-WIN01 Uninstall × • WDS-WIN01 was successfully removed from your computer. • Finish (You do not need to restart your computer.)	9.	 Wait until the uninstall process is complete. 	WDS-WIN01 Uninstall × Uninstall Status Please wait while WDS-WIN01 is removed from your computer. Uninstalling WDS-WIN01
10. Click [OK]. Image: WDS-WIN01 Uninstall Image: WDS-WIN01 was successfully removed from your computer. Image: WDS-WIN01 was successfully removed from your computer. <th></th> <th></th> <th></th>			
 10. Click [OK]. WDS-WIN01 Uninstall WDS-WIN01 was successfully removed from your computer. WDS-WIN01 was successfully removed from your computer. T1. Finish (You do not need to restart your computer.) - 			Cancel
11. ■ Finish (You do not need to restart your computer.) –	10.	Click [OK].	WDS-WIN01 Uninstall X WDS-WIN01 was successfully removed from your computer.
11. ■ Finish (You do not need to restart your – computer.)			ОК
·	11.	 Finish (You do not need to restart your computer.) 	_

5.3 Starting WDS-WIN01

1.	Double-click the shortcut icon.		
2.	The screen as shown on the right appears for a few moments.	PARTLEITE Capitylit2017-019 PATLIE corporation All rights reserved. Hardware System Setting Software Model WDS-WNO1	
3.	■ The Main menu appears.	License information Authenticated	
4.	■ Finish	-	

(1) When you created a shortcut icon on the desktop

(2) When there is no shortcut icon on the desktop

1.	Start the application from the Windows		
	Start menu.	・ 「Type here to search	Ţ

5.4 Exiting WDS-WIN01

2. Click [Yes].	1. ■ From the Main menu, click [Exit].	<pre> Versin License information Authenticated Versin 1:3 Versin 1:3 Versin Ver</pre>
J. III Finish	 2. Click [Yes]. 3. Finish 	Exit Application will exit. Continue? Yes No

5.5 Changing the display language

1.	 These instructions describe changing the display language from English to Japanese. From the Main menu, click [Language settings]. * Although these steps explain changing the language to Japanese, the same steps apply when changing to other languages. 	Use work of the set of
2.	From the pull-down list select [Japanese].	WDS-WIN01 - C X WDS-WIN01 - C X Select language Language When changing languat Lapanese application will restart. Simplified Chinese Traditional Chinese Korean Thai Indonesian Spanish
3.	Click [Change].	WDS-WIND1 - • • × When changing languages, application will restart. Change Back

4.	The application will restart, and the Main menu will be displayed in Japanese.	SWD5 WINO1	× - ン 1.00
		データ収集	WDT/WDR設定
		言語設定	日 閉じる
		PATI	LITE.
5.	■ Finish	-	-

Ŕ	 The language settings of your operating system affects the application's initial display language. For Japanese operating systems, displays Japanese. Other language operating systems, displays English. After changing the display language, the application will start up in the selected language. 				

6 Operation

6.1 WDT/WDR settings

6.1.1 WDR network settings

(1) Set up the computer's IP address.



5			
Э.	Click [Properties].	📱 Local Area Connection Status 🛛 🗙	
	•	General	
	•	Connection	
		IPv4 Connectivity: No network access	
	•	IPv6 Connectivity: No network access	
		Media State: Enabled	
	•	Duration: 02:53:07	
		Speed: 1.0 Gbps	
		Details	
		Activity	
		Sent — Received	
		Bytes: 100,654,099 452,489,312	
		Properties Diagnose	
		Close	
	6 6 6		
6.	 Select [Internet Protocol Version 4 (TCP/IPv4)]. 	Ethernet0 Properties X	
	•	Networking Sharing	
	Click [Properties].	Connect using:	
		Intel(R) 82574L Gigabit Network Connection	
		Configure This connection uses the following items:	
		Client for Microsoft Networks	
		File and Printer Sharing for Microsoft Networks	
		QoS Packet Scheduler	
		Internet Protocol Version 4 (TCP/IPV4) Microsoft Network Adapter Multiplexor Protocol	
	•	Microsoft LLDP Protocol Driver	
	• •	✓ Internet Protocol Version 6 (TCP/IPv6)	
		Install Uninstall Properties	
		Description	
		Transmission Control Protocol/Internet Protocol. The default	
		across diverse interconnected networks.	
		OK Cancel	
	•	•	



- (2) Set up the WDR's IP address.
- When receiver is WDR-L-Z2/WDR-LE-Z2

(WD PRO receiver, refer to I "When receiver is WD PRO")

1.	 Connect the WDR to the computer with a LAN cable. For details on connecting, refer to section "2.3 (1) (2) Maintenance System Configuration". 	_
2.	From the Main menu, click [WDT/ WDR settings].	Userse information Authenticated
3.	Under [Use with LAN], click [WDR IP address settings].	WDS-WINDI - C X WDT/WDR settings WDT/WDR settings WDT/WDR settings WDT/WDR settings Back
4.	 Enter the current IP address of the connected WDR. When setting up the WDR for the first time, enter 192.168.0.1 for the initial IP address. After entering the address, click [Start browser]. 	WDS-WIN01 - X WDR IP address settings Enter current IP address IP address 192 168 0 1 Start browser Back

5.	 The browser starts up and the access control window will appear. (Because a user name and password have not yet been set up, leave fields blank.) Click [OK]. 	Windows Security × iexplore.exe The server 192.168.0.2 is asking for your user name and password. The server reports that it is from (null). Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure. User name User name Password Password Cancel	
6.	 The [XPort[®]] browser appears. As shown in the image to the right, click [Network]. 	Control of the server Server	




13. ■ Click [Back].	WDS-WIN01 - ··· ×
	Enter current IP address
	IP address 192 168 0 1
	Start browser Back
14. ■ Finish	-

When receiver is WD PRO

1.	 Connect the WDR to the computer with a LAN cable. For details on connecting, refer to section "2.3 (1) (2) Maintenance System Configuration". 	_
2.	From the Main menu, click [WDT/WDR settings].	▶ Working ► ► ► ▼ License information 103 Authenticated 103 Data collection ₩DT/WDR settings WDT/WDR settings Exit Language settings Exit
3.	Under [Use with LAN], click [WDR IP address settings].	WD5-WIN01 - C × WDT/WDR settings Use with LAN WDT/WDR settings WDT/WDR settings WDT/WDR settings Back

_	*	•
4.	 Enter the current IP address of the connected WDR. When setting up the WDR for the first time, enter 192.168.10.1 for the initial IP address. After entering the address, click [Start browser]. 	WDS-WIN01 - • × WDR IP address settings Enter current IP address P address 192 168 0 1 Carter browser Back
5.	 The browser starts and the login screen appears. Enter the user name and password. When you log in to the WDR WEB screen for the first time, the user name and password setting screen will be displayed depending on the firmware version, so be sure to set the user name and password. ※ If the firmware version is 1.02 or earlier, the initial user name and password are "patlite" and "patlite". Click [Login]. 	Vect Your Language: English
6.	 The Top screen appears. Click the [System Settings] tab, then click [Network Settings]. 	Main Unit Information Main Unit Information Orgen MAC Address 8039e5011881 0.92 OS Version 0.02 0.92 OS Version 1.00 0.92 Number of connected transmitters 2



10. Click [X] to close the browser.	
11. Click [Back].	WDS-WIN01 - • • × WDR IP address settings Enter current IP address IP address 192 168 0 1 Start browser Back
12. ■ Finish	-

6.1.2 WDT setup

 For information on wireless channels, groups, ExtendedPanID, and MAC addresses, refer to section 6.1 "Before Installation" in the "[WDT-
 LR-Z2/WDR-L(E)-Z2-PRO(-L) Instruction Manual]".

0	 By default, the ExtendedPanID of the WDT is 0000 0000 0000 0000, which is the value for universal search mode, and will usually link to the closest receiver grouping. To avoid interference of groupings, change the ExtendedPanID of the WDT during configuration. 	
Mandatory	 When collecting data with this product, set WDT [Transmission mode] field to [Immediate transmission]. 	

(1) When using LAN

1.	 * Connect and power on the WDR and WDT as per the system configuration. Refer to Section "2.3 (1) System Configuration". From the Main menu, click [WDT/WDR settings]. 	MSKHMM - × License information 103 Authenticated 103 Data collection WDT/WDR settings WDT/WDR settings Exit Language settings Exit
2.	Under [Use with LAN], click [WDT/ WDR settings].	WD5-WIN01 - C × WDT/WDR settings Use with LAN WDR IP address settings WDT/WDR settings WDT/WDR settings Back
3.	 Enter the current IP address of the connected WDR. If you have not changed the WDR IP address from its default setting, enter 192.168.0.1. * On the WD PRO receiver, the initial value is 192.168.10.1. If you did not change the port number in procedure "6.1.1 (2)", do not change its default value of 10001. If you changed the port number in procedure "6.1.1 (2)", enter the same port number. Click [Next]. 	WDS-WIN01 - X WDT/WDR settings Enter current IP address IP address 192 168 0 1 Port 10001 Next Back



	[For WDT-PRO]	WOS-WINDI - C X
	Set up the following fields:	MAC Address CC4DAFFE019955 021
	 [ExtendedPanID] [Frequency Channel] [Determine Signal Tower Input] [Power supply settings] [Counter Settings] [Transmission mode] [Input Information Transmission Method] [Signal Tower Format] 	Current settings New settings ExtendedPanID Wirless Settings D000 p000 p000 p000 p11 p2 p12 p2 p2 <
	 [Periodic Transmission] [Sensitivity for Determining Simultaneous Input] [File Format for Received Data] [Baud Rate] [Data Length] [Parity] [Stop Bit] 	Bac Next WDS-when
	 * Click [Next] to fill out the fields on the next page. * When collecting data with this product, set [Transmission mode] field to [Immediate transmission]. * For information about each item, refer to refer to refer section "7.1.1 WDT settings". After setup is complete, click [Apply All Setting Changes]. 	RS-232C Communication Settings File Format for Received Data Direct Communication Baudrate Become Become B
	The settings are applied to the WDT.	
6.	■ Finish	_

(2) When using USB

1.	 * Connect and power on the WDR and WDT as per the system configuration. Refer to ☞ section "2.3 (1) System Configuration". From the Main menu, click [WDT/WDR settings]. 	✓wswe - - × License information 103 103 ✓wswe ✓wswe ✓wswe ✓wswe ✓Data collection ✓wswe ✓wswe ✓wswe ✓Data collection ✓wswe ✓wswe ✓wswe ✓wswe ✓wswe ✓wswe ✓wswe ✓wswe ✓wswe
2.	Under [Use with USB], click [WDT/ WDR settings].	WDS-WINOT - · · ×
3.	 Click [Update COM port list]. COM port numbers display in a pull- down list. From the list, select the WDR COM port and click [Next]. 	WDS-WINDT WDT/WDR settings Select COM port COM port COM5 Update COM port list Descent D
4.	 The [WDT list] under [WDT settings] shows the WDT units that are currently connected. * It may take about 10 seconds to display the WDT list. Select the check boxes of WDT to set up, and click [Select to configure]. 	WDS Whether Control of the settings Update WDT list Select to configure WDT list Update WDT list Select to configure No Select Status MAC Address User name 1 Connected 590:232FFE57827B Machiny01 2 Connected 590:232FFE57827B Machiny01 2 Connected 00004CFFFE019855 Machiny03 Commented 00004CFFFE058A6A1 Machiny03 WDR settings Firmware version Select all Select all 10 12 13 16 16 17 18 MAC Address Firmware version Reversion Firequency Channel 11 12 13 14 15 19 18 Select all 10 12 12 12 22



	[For WDT-PRO Series]	S WOS-WNROT - O X
	 Sot up the following fields: 	WDT-PRO Settings (1/2)
		MAC-Address Firmware version [6CE4DAFFFE019955 - Ouror tottloor - Now edition
	· [ExtendedPanID]	Wireless Settings
	· [Frequency Channel]	0000 0000 0000 1111 0000 0000 1111 Frequency Channel
	· [Determine Signal Tower Input]	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 19 20 21 22 23 24 25 26 19 20 21 22 23 24 25 26 19 20 21 22 23 24 25 26 Clear all
	· [Power supply settings]	WDT Settings
	· [Counter Settings]	Transmission mode Transmission mode Immediate transmission Immediate
	• [Transmission mode]	Periodic Transmission Periodic Transmission None •
	Input Information Transmission	Signal Tower Format Signal Tower Format Standard Standard
	Signal Tower Format	WDT-LR WDT-LR
		Bat
	[Ferrouic mansmission]	
	Simultaneous Input]	<mark>≱ Wos</mark> wien ~ □ ×
	[File Format for Received Data]	WDT-PRO Settings (2/2)
	· [Baud Rate]	Base Unit Model Firmware version WDB-D905-PRO 021 Apply All Setting Changes
	· [Data Length]	Wew settings
	· [Parity]	Determine Signal Tower Input Determine Signal Tower Input Plashing (medium) Determine Signal Tower Input
	· [Ston Bit]	Power Supply Wire Counter settings Count
		Do not use Sensitivity for Determining Simultaneous Input Like to careful the sensitivity for Determining Simultaneous Input Like to careful the sensitivity for Determining Simultaneous Input
		Physic Setsiumiy Physics Setsions PS-232C Communication Settions PS-232C Communication Settions
	* Olick [Novit] to fill out the fields on the	File Format for Received Data Direct Communication
	next nage	Baudrate 9600
	noxt page.	Data Length Panty Stop Bit 8 Even 1 8 Even 1
	* When collecting data with this product,	Back
	set [Transmission mode] field to	USLA IVER
	[Immediate transmission].	
	* For information about each item refer	
	to a section "7.1.1 WDT settings".	
	After setup is complete alight [Apply All	
	Setting Changes].	
	The settings are applied to the WDT.	
6	Einich	
U .	= 5	-

6.1.3 WDR setup

Prohibited	When there are multiple WDR in your system, do not use duplicate ExtendedPanID values. The product may not operate properly.

(1) When using LAN

1.	From the Main menu, click [WDT/WDR settings].	WOS-WOS! - □ × License information 1.03 Authenticated 1.03 Data collection Most collection Language settings PATLICES
2.	Under [Use with LAN], click [WDT/ WDR settings].	WDS-WIND1 - C X WDT/WDR settings Use with LAN WDR IP address settings WDT/WDR settings WDT/WDR settings Back
3.	 Enter the current IP address of the connected WDR. If you have not changed the WDR IP address from its default setting, enter 192.168.0.1. * On the WD PRO receiver, the initial value is 192.168.10.1. If you did not change the port number in procedure "6.1.1 (2)", do not change its default value of 10001. If you changed the port number in procedure "6.1.1 (2)", enter the same port number. Click [Next]. 	WDS-WIN01 - - × WDT/WDR settings Enter current IP address IP address 192 168 0 1 Port 10001 Back

4.	 Click [Next]. * This step is for WD PRO receivers only. For WDR, skip step 4 and go to step 5. 	WDS-WIN01 - C X WD PRO Receiver Settings Open Web Setup Screen Next Back
5.	 Set up the following fields: [ExtendedPanID] [Frequency Channel] Set up the respective settings above. Under [Network startup method], we recommend selecting [Automatic start]. Click [Apply All Setting Changes]. * For information on settings, refer to section "7.1.3 WDR settings (Wireless settings)". 	WIG WHEI
6.	■ Finish	_

(2) When using USB

1.	From the Main menu, click [WDT/WDR settings].	Working Version Authenticated 103 Image: Data collection Image: Data collection Image: Data collection Image: Data collection
2.	Under [Use with USB], click [WDT/ WDR settings].	WDS-WIN01 - C X WDT/WDR settings Use with LAN WDR IP address settings WDT/WDR settings WDT/WDR settings Back
3.	 Click [Update COM port list]. COM port numbers display in a pull-down list. From the list, select the WDR COM port and click [Next]. 	WDS-WINDT WDT/WDR settings Select COM port COM port COM5 Update COM port list WDT/WDR settings COM port COM5 Next Back

4.	 Set up the following fields: [ExtendedPanID] [Frequency Channel] Set up the respective settings above. * Under [Network startup method], we recommend selecting [Automatic start]. Click [Apply All Setting Changes]. * For information on settings, refer to section "7.1.3 WDR settings (Wireless settings)". 	WOS-WHOOL -
5.	■ Finish	

6.1.4 Configure WDR Host Collaboration Function (WD PRO receiver only)



1.	From the Main menu, click [WDT/WDR acttinge]	S WCS-WIN01	- 0 X
	seungsj.	License information Authenticated	1.03
			\rightarrow
		Data collection	WDT/WDR settings
			Evit
		PATI	

2.	Under [Use with LAN], click [WDT/ WDR settings].	WDS-WIND1 - C X WDT/WDR settings Use with LAN WDR IP address settings WDT/WDR settings WDT/WDR settings WDT/WDR settings Back
3.	 Enter the current IP address of the connected WDR. If you have not changed the WDR IP address from its default setting, enter 192.168.10.1. If you did not change the port number in procedure "6.1.1 (2)", do not change its default value of 10001. If you changed the port number in procedure "6.1.1 (2)", enter the same port number. Click [Next]. 	WDS-WIN01 - X WDT/WDR settings Enter current IP address IP address 192 168 0 1 Port 10001 Next Back
4.	Click [Open Web Setup Screen].	WDS-WIN01 - X WD PRO Receiver Settings WD PRO Receiver Settings Open Web Setup Screen Next Back

5.	 The browser starts and the login screen appears. Enter the user name and password. When you log in to the WDR WEB screen for the first time, the user name and password setting screen will be displayed depending on the firmware version, so be sure to set the user name and password. X If the firmware version is 1.02 or earlier, the initial user name and password are "patlite" and "patlite". Click [Login]. 	W0 PRO Receiver X + V - V A to L to V- Patlite WD PRO Receiver Select Your Language: English User Name Password
6.	 Items you can set are below. [Socket Communication] [Database Communication] [Modbus/TCP Communication] * Set as required by the application. For information on settings, refer to	Main Chaver x + +
7.	■ Finish	-

6.2 Data collection

6.2.1 License authentication

<u>\</u>	 Store the license card for future reference. After uninstalling this product, license authentication is required when re-installing. 		

1.	From the Main menu, click [Data collection].	Version Authenticated
2.	Run license authentication. Enter the 17-digit license key provided with this product and click [Authentication].	WUS-WINDI License authentication License key License key Authentication Back
3.	Finish	_

6.2.2 Data save destination and CSV file format settings

(1) Setting the data save destination

<u>/</u>	 You cannot output data collection files to network drives and external storage devices such as SD cards and USB memory. 		

1.	From the Main menu, click [Data collection].	Version License information Authenticated Image: Construction Data collection Image: Construction Image: Const
2.	Set up the save destination for CSV data. Under [Initial settings] click [Select folder].	WDR list • Use with LAN • Use with USB • Use with USB • Use with LAN • Use with USB • Use use Use • Use Use • Use



(2) CSV file format settings

1.	Under [Data collection operation] click [CSV file settings].	WDS-WIND1 Information Import operation settings Export operation settings Initial settings Export operation settings CSV file destination Select folder Save WDT user name Data collection method Save list CSV file settings VDR list Manual start * Use with LAN O use with USB No Collection In to collect 10001 J Do not collect J Do not collect J Do not collect
2.	 Select one of the options under [File creation method]. [Common] [Common (file name)] [Per WDR] [Per WDT] Select one of the options under [File division method]. [Divide by date] [Divide by time] [Divide by file size] [Do not divide] Enable or disable [On dividing, output information]. Check the box to add Signal Tower Information when splitting files. * For information on settings, refer to section "7.2.1 Initial settings (save as CSV file)". 	Image: Section and Sectin and Section and Section and Section and Secti

	•	•
3.	Set up the [CSV file format].	
	 Select up to 13 properties to include in the CSV file. * Fields within your list of selected fields cannot be left at [No settings]. Select to enable or disable [Correct the time]. Check the box to enable time correction, uncheck to disable. * For information on settings, refer to section "7.2.1 Initial settings (save as CSV file)" 	Workware
4.	 After setup is complete, click [Save]. 	Wosk withtight
5.	■ Click [Yes].	Vorwal by date Ond widing, output information On and wide On
6.	■ Finish	-

6.2.3 Save WDT user name

1.	Under [Save WDT user name], click [Save list].	WDS-WINDT - - × Image: Data collection operation Transfer WDS-WIND1 information Image: Data collection settings Export operation settings Initial settings Export operation settings Export operation settings Initial settings Select folder CSV file settings Data collection method Save WDT user name Data collection method Save WDT user name Data collection method Save WDT user name Outomatic start WDR list * * Use with LAN * Use with USB No Collection IP address 10001 3 Do not collect 10001
2.	■ [Save WDT user name] screen appears.	Search string Search string Previous Next Import (init file) Save Back
3.	 Enter the following fields for the WDT that you are registering. MAC Address User name 	Search string Search string Previous Import (init file) Save Back

4.	 To delete entered content, right click the row you want to delete and select [Delete]. * If you select [Delete all], all rows will be deleted. 	Search string Search string Previous Next Import (init file) Save Back
5.	After setup is complete, click [Save].	WOS-WINKET Save WDT user name WDT list Mod MAC Address User name OSSCF202FFE7811C PATLITE
6.	Click [Yes].	NOS-WINOS Save WDT user name DOSWCT DIST MAC Address User name 0580F202FFE7811C PATUTE 2 Save Settings will be saved. Continue? Yes No

7.	The saved user name should appear on the [Collecting dataWDT information] screen.	WDS-WNEM WDR USER name WDT-5LR6LR-22 Z32FFE57FFTE	9 data WDT	information	 Update WDT information
8.	■ Finish				

6.2.4 Registering WDR and starting collection

(1) When using LAN

1.	■ Under [WDR list] select [Use with	S wos-wikot − □ ×
	LANJ.	Data collection operation
	•	Transfer WDS-WIN01 information
		Import operation settings Export operation settings
	•	Initial settings
	•	CSV file destination
	•	C:PATLITE Select folder
	•	
	•	Save WDT user name Data collection method
	•	Save list © Manual start
	•	
		○ Use with LAN ○ Use with USB
		No Collection IP address Port User name
		1 Do not collect 1 10001
		3 Do not collect 10001
		4 Do not collect 10001
		Start data collection Back
2.	 Under [WDR list], use the keyboard to enter the following fields: 	
	· [IP address]	
	· [liser name]	
		Save WDT user name Data collection method
	•	Save list C Automatic start
	. If you did not change the port number in	WDR list
	procedure "6.1.1 (2)", do not change its	Ose with LAN with USB No Collection IP address Port User name
	default value of 10001.	1 Collect <u>v</u> 192.168.0.1 10001 user1
	•	2 Do not collect 10001
	* When entering the IP address, include	4 Do not collect v 10001
	the period separators.	Start data collection Back
	•	
	* Up to 20 WDR units can be registered.	, , ,
		, , ,
	•	,
	•	· •

3.	 From the [WDR list], locate the WDR unit that you will collect data from. Under [Collection], select [Collect]. Click [Start data collection]. 	WDR list Collection IP address Port User name Collect 192.168.0.1 10001 user1 2 Do not collect 3 Do not collect 4 Do not collect Start data collection Back
4.	The [Collecting dataWDR information] window appears, and the green [Collecting data] tab indicates that data collection is running.	WDS-WNOT WDDT WDDT WDDT WDT MDT MDT <td< th=""></td<>
5.	■ Finish	_

(2) When using USB

1.	Under [WDR list] select [Use with USB].	WDS-WINDT Transfer WDS-WIND1 information Import operation settings Export operation settings Initial settings CSV file destination C:PATLITE Select folder CSV file settings Save WDT user name Data collection method
2.	Click [Update COM port list].	
	 COM port numbers display in a pull-down list. From the menu, select the COM port of the WDR that you are collecting data 	WDR list Use with USB Update COM port list No Collection COM port User name 1 Collect COM5 user1
	from.	
••••	Enter a user name under [User name].	
	* When using with USB, only one WDR unit can be submitted at a time for data collection.	WDR list Update COM port list O Use with LAN Ouse with USB No Collection 1 Collect Collect COM5 Start data collection Back
3.	In the drop down menu under [Collection], select [Collect].	WDR list
	 Click [Start data collection]. 	Use with LAN Collection Collect Collect Collect Collect Collect Collect Collect Start data collection Back

4.	The [Collecting dataWDR information] window appears, and the green [Collecting data] tab indicates that data collection is running.	VDS-West -<
5.	■ Finish	Image: CSV file destination Image: CSV file destination <t< th=""></t<>

6.2.5 Checking the data save destination

1.	At the bottom of the [Collecting data WDR Information] screen, click [CSV file destination].	WDR.LZ2
2.	Explorer displays the data destination folder.	
	Check that collected data is saved in that location.	
3.	■ Finish	_

6.2.6 Checking communication status of WDT while collecting data

1.	Click on the cell that displays the WDR status (indicated by arrow).	WDF - · VDR-L-22 · · Factory01 · · VDT · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · ·
2.	 The [Collecting data WDT information] screen should appear. * Even if the transmitter that is connected is WDT-4LR-Z2, "WDT-5LR/6LR-Z2" is displayed. 	Normality Update WDT information WDR user name user Update WDT information WDT-SLRERAZZ Image: Control of the strength of the strengt of the strength of the strength of the strength of
3.	■ Finish	_

6.2.7 Stopping data collection

1.	At the bottom of the [Collecting data WDR Information] screen, click [End data collection].	WCK WHOT -<
2.	 The [Data collection will end. Continue?] message displays. Click [Yes]. * Refer to the caution on the next page for steps on how you can end data collection. 	WDS-WIRD1 -
3.	The [Data collection operation] screen appears, and data collection ends.	WDS-WIND1 Import operation operations Import operation settings Export operation settings Initial settings CSV file destination C:PATLITE Select folder CSV file settings Data collection method
4.	■ Finish	_

	Even after clicking [yes] in the warning message [Data collection will end. Continue?], ending data collection could take some time when there are multiple WDT units connected. In this case, the following screen will appear. Clicking [Exit] will force the data collection to quit. Note that any counter values after clicking [Exit] will not be collected.	
	End data collection	
Ŕ	Counter is still running.	
	Exit	
	 After starting data collection, wait at least one minute to stop collection. Counter values that are collected during this period may not output to CSV properly. 	

6.2.8 Save settings and return

(1) When WDR is connected properly

1.	■ Connect WDR.	
2.	 Display [Data collection operation]. Enter fields as needed. Click [Back]. 	WIDS-WIND - - × Image: Start data collection operation Export operation settings Export operation settings Initial settings Export operation settings Export operation settings Initial settings CSV file destination Select folder CSV file settings Data collection method • Automatic start Save WDT user name Data collection method • Automatic start WDR list • Use with USB No Collection No Collection 192/168 0/1 10001 3 Do not collect 10001
3.	■ In the [Save] dialog box click [Yes].	Save Settings will be saved. Continue? Yes No
4.	* If the warning message "Some of the operation settings are incomplete" appears, refer to the possible issues below:	Operation settings Some of the operation settings are incomplete. OK
	 ① CSV file destination is not set up. → Set up the file destination. Refer to ☞ section "6.2.2 (1) Setting 	the data save destination".

(2) WDR is not connected properly.	
ightarrow Connect WDR properly.	
\rightarrow If you cannot connect WDR properly,	
Refer to 🖙 section "6.2.8 (2) When WDI	R is not connected properly".
③ WDR is connected properly to LAN but other settings are incomplete.	Data collection operation
ightarrow Follow the steps below.	Import operation settings Export operation settings
 Under [WDR list], select [Use with USB]. 	CSV file destination CSV file settings CSV file settings CSV file settings
 Change [Collection] to [Do not collect]. 	Save WDT user name Data collection method Automatic start Automatic start Automatic start Manual start WDR list Use with LAN Use with USB Update COM port list Do not collection COM port User name Do not collect COM port COM port CO
	Start data collection Back
 Under [WDR list], select [Use with LAN]. 	≥ wos-wwoi – □ × Data collection operation
Enter the IP address of the WDR.	Transfer WDS-WIN01 information Import operation settings Export operation settings
Under [Collection], choose [Collect].	CSV file destination
◆ Click [Back].	CSV file settings Save WDT user name Save list CManual start WDC
	• Use with LAN • Use with USB No Collection IP address Port User name 1 Collect 192.168.0.1 10001 2 Do collect 10001 3 Do t collect 10001 4 Do t collect 10001 Start data collection Back

	 ④ When WDR is connected properly via USB but other settings are incomplete. → Follow the steps below. ♦ Under [WDR list], select [Use with USB]. ♦ Click [Update COM port list]. ♦ Select the [COM port]. ♦ Change [Collection] to [Collect]. ♦ Click [Back]. 	MOS-WWWI
5.	■ Finish	_

(2) When WDR is not connected properly

-	ð	8
1.	Display [Data collection operation].	S wos-www
	•	
	Under [WDR list], select [Use with	Transfer WDS-WIN01 information
	USB].	Import operation settings Export operation settings
	Change [Callection] to [De not callect]	
	Change [Collection] to [Do not collect].	C:\PATLITE Select folder
		CSV file settings
	•	
		Save wDT user name
	•	Save list C Manual start
	•	
		C Update COM port list
		No Collection COM port User name
		1 Do not collect
	•	: 🛉
		Start data collection Back
	•	· · · · · · · · · · · · · · · · · · ·
2	Inder [W/DR light] coloct [Lice with	
∠ .		
	LANJ.	: Solution Operation
	•	Transfer WDS-WIN01 information
	Enter the IP address.	Import operation settings Export operation settings
	•	Initial settings
	Under [Collection] shapes [Collect]	CSV file destination
		C:\PATLITE Select folder
		CSV file settings
	Click [Back].	
		Save list Or Automatic start
		C Manual start
		WDR list
		O Use with LAN O Use with USB
		No Collection IP address Port User name
		1 Collect 192.168.0.1 10001 2 Dc▲tcollect 1 10001
	•	3 Do It collect 10001
		Start data collection Back
	•	·
3.	In the [Save] dialog box click [Yes].	Save
		Continue?
	•	Continue.
	•	
	•	Van Na
	•	
4.	■ Finish	
		-

(3) Returning without saving settings

4		•
1.	At the bottom right of the [Data	■ WDS-WIN01 – □ ×
	collection operation] screen, click	🔁 Data collection operation
	[Back].	Transfer WDS-WIN01 information
		Import operation settings Export operation settings
	•	Initial settings
	•	CSV file destination
	•	C:\PATLITE Select folder
	•	CSV file settings
		Save WDT user name Data collection method
		Save list C Manual start
	•	WDR list
	•	Use with LAN Use with USB
	•	No Collection IP address Port User name ▲
	•	2 Do not collect 100.01 10001
	• • •	3 Do not collect 10001
		Start data collection Back
	•	
2.	■ In the [Save] dialog box click [No].	Save
	•	
	•	Continue?
	•	
	•	
	•	
	•	Yes No
	·	
3.	■ Finish	
	•	-
	•	
6.3 Exporting and importing settings information

6.3.1 Exporting settings information

1.	 Open [Data collection operation] screen. Under [Transfer WDS-WIN01 information], click [Export operation settings]. 	WDS-WIND1 Information Initial settings Export operation settings Initial settings Export operation settings CSV file destination Select folder CSV file settings Select folder Save WDT user name Data collection method Save list ° Automatic start * Use with LAN ° Use with USB Not collect 10001 1 Do not collect 10001 Journal Automatic start Back
2.	■ The "Save As" screen appears.	2 Such
	Choose a file to save settings information.	Save As ∧ ← → ~ ↑ → This PC → Documents ♪ Organize ▼ New folder Image: Save As ♪ IN ^ Name Date modified Type
	Enter a file name and click [Save].	 OneDrive Patite.wds 11/24/2017 8:49 AM WDS File This PC Desktop Downloads Music Pictures Videos Local Disk (C:) Koral Disk (C:) File name: Patite.wds Save as type: (*.wds) A Hide Folders
3.	■ Finish	

6.3.2 Importing settings information

1.	 Go to [Data collection operation] screen. Under [Transfer WDS-WIN01 information], click [Import operation settings]. 	WISS-WINDI - - × Import operation operation - - × Import operation settings Export operation settings - - Initial settings Export operation settings - - - CSV file destination CSV file settings Select folder - - CSV file destination CSV file settings Data collection method - - - Save WDT user name Data collection method - Automatic start - Manual start WDR list ^ Use with USB - 10001 - - No Collection IP address Port User name - - 1 Do not collect 10001 - - - - - 3 Do not collect 10001 - - - - - - Start data collection Back - - - - - - - -
2.	 The [Open] window should appear, as shown to the right. Select the settings information file (.wds) to import. Click the [Open] button. 	
3.	■ Finish	_

6.4 Obtaining WDT user names for WDS-AUTO2

1.	Open the [Data collection operation] screen.	wos-wwot − □ × Data collection operation Transfer WDS-WIN01 information
	Under [Save WDT user name], click [Save list].	Initial settings Export operation settings CSV file destination Select folder C:PATLITE Select folder CSV file settings Data collection method Save WDT user name Otac collection method Save list Automatic start * Manual start * Manual start VDR list Update COM port list 1 Do not collect Image: Collection Start data collection Back
2.	The [Save WDT user name] screen should appear. Click the [Import (.init file)] button at the bottom of the screen.	WDS-WIND1 - - × Save WDT user name WDT list MO MAC Address User name Image: Search string Image: Search string Image: Search string Previous Next Image: Image: Model of the search string Image: Search string Image: Image: Model of the search string Image: Search string Image: Image: Model of the search string Image: Search string
3.	 The [Open] window should appear, as shown to the right. Select the WDT user name file (.init file) to import. Click the [Open] button. 	Sopen × ← → * ↑ • • ≪ Local Disk (C:) > PATLITE ✓ © Search PATLITE Organize ▼ New folder ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
4.	■ Finish	-

CAUTION		
Ŕ	 If a user name is already registered, it will be imported again. If the number of user names registered reaches its maximum capacity, an error message will appear, and will not import any further. Import can not occur when there is a duplicated MAC address in the .init file. 	

6.5 Check WDT and WDR settings

(1) Check WDT settings

1.	 Open up the [WDT/WDR settings] screen. (Refer to the following steps to open screen.) For LAN, refer to steps 1 to 3 in section "6.1.2 (1)". For USB, refer to steps 1 to 3 in section "6.1.2 (2)". 	With Whether Connected WDT ist Update WDT list WDT ist Update WDT list WDT ist Update WDT list Select to configure No Select Connected 50c222FFE578278 We chine/01 00004CFFFE03805 WDT settings We chine/01 Connected 00004CFFFE03805 WCR settings Mechine/03 Connected 00004CFFFE03805 WCR settings Mechine/03 WCR settings Firmware version Sec232FFFE578129 2.99 ExtendedPanD 0000 0000 1111 Frequency Channel 11 12 13 14 15 18 Select all Network startup method Retwork startup method Retwork startup method Retwork startup method Retwork startup method Adomatic start (recommended) Italia 15 16 Italia Back
2.	 The [WDT list] under [WDT settings] shows the WDT units that are currently connected. * It may take about 10 seconds to display the WDT list. Select the check boxes of WDT to set up, and click [Select to configure]. 	Working Select to configure WDT settings Updale WDT list Select to configure WD ist Updale WDT list Select to configure No Select 3 Select 10 Connected 90C224FFE57827B Machine(01) Connected 00C04AFFFE01905B Machine(01) Connected 00C04AFFFE01905B Machine(02) WDR settings Exercised Occurrent settings McC Address Firmware version Select 10 Select 10 Select 11 Select 20 D000 0000 0000 1111 Frequency Channel 12 13 16 10 Select all 10 10 10 10 10 Select all 10 20 20 20 20 20 20 20 20 20 20 20 20 20
3.	 [For WDT] The current settings of the selected WDT are displayed. Confirm the following fields: [MAC address] [ExtendedPanID] [ExtendedPanID] [Frequency Channel] [Determine Signal Tower Input] [Power supply settings] [Counter Settings] [Transmission mode] 	WS-WHE Image: Constraint of the set of the

[For WDT-PRO]	S WOS-WNION >
 The current settings of the selected WDT are displayed. Confirm the following fields: [ExtendedPanID] [Frequency Channel] [Determine Signal Tower Input] [Power supply settings] [Counter Settings] [Transmission mode] 	WDT-PRO Settings (1/2) Mac Address [60E40AFFE019955] Firmware version [0.21] Wireless Settings Wireless Settings ExtendedPanID Wireless Settings Wireless Settings Wireless Settings Worder Prequency Channel Wireless 2000 Good SetendedPanID WDT Settings Worder Prequency Channel Worder Prequency Channel More Prequency Channel Setect all Clear all WDT Settings WDT Settings Worder Format Standard Periodic Transmission Method Periodic Transmission Method Periodic Transmission Method Purput Information Transmission Method Vivort R
 [Input Information Transmission Method] [Signal Tower Format] [Periodic Transmission] [Sensitivity for Determining Simultaneous Input] 	Back Next Back Next Wos-www. Back Next Back Ne
 [File Format for Received Data] [Baud Rate] [Data Length] [Parity] [Stop Bit] 	WDB-UBL-HOU 0.21 Current settings New settings Determine Signal Tower hput Flashing (medum) Power Supply Wire Determine Signal Tower hput Counter settings Do not use Do not use Sensitivity for Determining Simultaneous hput High Sensitivity Sensitivity of Determining Simultaneous hput High Sensitivity Sensitivity of Determining Simultaneous hput
	File Format for Received Data Direct Communication Bauchate 9600 Data Length Parity Stop Bit Bauchate
4. ■ Finish	-

(2) Check WDR settings

1.	 Open up the [WDT/WDR settings] screen. (Refer to the following steps on how to open screen.) 	≫ wos-w WDT WDT	NOT WDT/W settings	DR settings	st	- D X
		No	Select	Status	MAC Address	User name
	. Earl AN refer to stope 1 to 2 in	1		Connected	58C232FFFE57927B	Machine01
	FOILAN, TETEL TO STEPS T TO STILL	2		Connected	6CE4DAFFFE019955	Machine02
	: ☞ section "6.1.2 (1)".	3		Connected	00004CFFFEC8A5A1	Machine03
	 For USB, refer to steps 1 to 3 in ☞ section "6.1.2 (2)". 	WDR Curre MA 58 Ext 1000 Fre 111 19 Nel Au	settings nt settings — C Address C232FFE576 andedPanID io 00000 quency Chann 20 21 0 work startup momatic start (re	Firmware version 129 2.99 0000 1111 111 111 111 111 111 111 111 1	New settings ExtendedPanID 0000 [0000 Frequency Channe 11 [12] [13] [14] [19] [20] [21] [22 Network startup met Automatic start (rec	Apply All Setting Changes 0000 1111 15 16 17 18 Select all clear all nod mmended) Back

2.	 The current settings of the WDR are displayed. Confirm the following fields: [MAC address] [ExtendedPanID] [Frequency Channel] [Network startup method] 	Working Connected Select to configure VDT ist Update WDT ist MAC Address User name VDT ist Oomected 58c232FFFE578278 Machinu01 2 Connected 002422FFFE578278 Machinu02 3 Connected 002042FFFE578278 Machinu02 4 Connected 002042FFFE578128 Machinu02 58c232FFFE578129 2.99 ExtendedPanID Select all 11 12 13 14 15 16 17 18 12 13 14 15 16 17 13 12 14 15 16 17 18 19 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22
3.	■ Finish	-

6.6 Confirm WDT connection using WDT ping

Only for WDT-4LR/5LR/6LR-Z2 models and WDT-6LR-Z2-PRO

(1) Confirm from the [WDT/WDR settings] screen

1.	 Open up the [WDT/WDR settings] screen. (Refer to the following steps on how to open screen.) For LAN, refer to steps 1 to 3 in section "6.1.2 (1)". For USB, refer to steps 1 to 3 in section "6.1.2 (2)". * It may take about 10 seconds to display the WDT list. 	WD:Well
2.	 Under the [WDT list], there should be a blue button on the right side of each connected WDT. (Not available for the WDT-5E/6M-Z2 models.) When clicking a blue button, the indicator of the respective WDT flashes blue for about 10 seconds. This function can be used to locate a specific WDT unit. 	WD WORK Update WDT list WDT isst Update WDT list WDT list Generated 900232FFFE57827B Machined3 2 Connected 80CE4DAFFFE018855 Mac Address User name VDR settings Machined3 Current settings Firmware version Sec232FFFE57812P 2.99 ExtendedPanID D0000 D0000 0000 1111 Frequency Channel 11 12 3 16 17 18 Select all 19 20 31 22 24 25 26 Clear all Network startup method Interview startup method Interview startup method Interview Interview Back
3.	■ Finish	_

(2) Confirm from the [Collecting data -- WDR information --] screen

1.	 Open up the [Collecting data WDR information] screen. (Refer to the following steps on how to open screen.) For LAN, refer to steps 1 to 5 in section "6.2.4 (1)". For USB, refer to steps 1 to 5 in section "6.2.4 (2)". 	WDS-WVR - </th
2.	Click on the cell that displays the WDR status (indicated by arrow). This will open up the [Collecting data WDT information] screen.	WDS-HUEL: -
3.	 There should be a blue button on the right side of each WDT status cell. (Not available for the WDT-5E/6M-Z2 models.) When clicking a blue button, the indicator of the respective WDT flashes blue for about 10 seconds. This function can be used to locate a specific WDT unit. * Even if the transmitter that is connected is WDT-4LR-Z2, "WDT-5LR/6LR-Z2" is displayed. 	Image: Section of the sectio
4.	■ Finish	_

6.7 Clear Counter value

1.	 Open up the [Collecting data WDR information] screen. (Refer to the following steps on how to open screen.) For LAN, refer to steps 1 to 5 in section "6.2.4 (1)". For USB, refer to steps 1 to 5 in section "6.2.4 (2)". 	WDS-WEE - </th
2.	Click on the WDR user name cell (indicated by arrow). This will open up the [Collecting data WDT information] screen.	WISH WINT -
3.	 There should be a yellow button with a 'c' on the right side of the user name cell. * If you do not see a 'c' in the yellow button, refer to the [NOTICE] on the next page. *1 Even if the transmitter that is connected is WDT-4LR-Z2, "WDT-5LR/6LR-Z2" is displayed. 	W05 Weet

4.	Click on the yellow button with a 'c', and you should get a [Confirm Operation] pop-up.	Collecting data WDT information WDT sLReELR-22 WDT sLReELR-2 WDT sLREELR
5.	Click on [Clear Counter], and you should get a pop-up indicating that the clear counter operation was successful.	Sextem WDI user name Factory01 Update WDT information WDT User name Factory01 Update WDT information WDT SLR6LR22 WDT SLR6LR22 PRO WDT SERMAZ2
6.	■ Finish	_

NOTICE

• The following conditions may be why the 'c' does not display in the yellow button.

- · WDT-4LR-Z2/WDT-5LR-Z2/WDT-6LR-Z2 is version 3.06 or earlier.
- \cdot In the [Counter Settings], the [Do not use] option is selected.

7 List of Settings

7.1 WDT/WDR settings

7.1.1 WDT settings

(1) List of Settings

WDT Series

Setup Item	Settings	References
Wireless settings	ExtendedPanID	☞ 7.1.1 (3) ①
wireless settings	Frequency Channel	🖙 7.1.1 (3)
Run time settings	Determine Signal Tower Input	জ্ঞ 7.1.1 (3) 🕄
	Power supply settings	জ্ঞ 7.1.1 (3) ④
	Counter Settings	s 7.1.1 (3) ⁵
	Transmission mode	🖙 7.1.1 (3) ⁶

WDT-PRO Series

Setup Item	Settings	References
	ExtendedPanID	জ্ঞ 7.1.1 (3) 🛈
wireless settings	Frequency Channel	জ্ঞ 7.1.1 (3) ②
	Determine Signal Tower Input	জ্ঞ 7.1.1 (3) 🕄
	Power supply settings	জ্ঞ 7.1.1 (3) ④
	Counter Settings	জ্ঞ 7.1.1 (3) 🕤
Dup time pottings	Transmission mode	l☞ 7.1.1 (3) ⑥
Run time settings	Periodic Transmission	☞ 7.1.1 (3) ⑦
	Signal Tower Format	জ্ঞ 7.1.1 (3) 🛞
	Input Information Transmission Method	জ্ঞ 7.1.1 (3) 🧐
	Sensitivity for Determining Simultaneous Input	☞ 7.1.1 (3) ¹ 0
RS-232C	File Format for Received Data	🖙 7.1.1 (3) 🕕
	Baud Rate	IF 7.1.1 (3) 🕑
	Data Length	জ্ঞ 7.1.1 (3) 🚯
	Parity	S 7.1.1 (3) (14)
	Stop Bit	☞ 7.1.1 (3) ¹⁵

(2) Layout of settings

WDT			
	S WDS-WIN01	- 0 3	×
	🐼 WDT settings		
	Current settings	New settings	
	MAC Address Firmware version	Apply All Cattion Changes	
	00004CFFFEC8A5A1 2.07	Appry All Selling Changes	
	ExtendedPanID	7.1.1 (3) (1)	
	Frequency Channel	> 7 1 1 (2) ⑦	
		11 12 13 14 15 16 17 18 Select all	
	19 20 21 22 23 24 25 26	19 20 21 22 23 24 25 26 Clear all	
	Determine Signal Tower Input	⁻ 7.1.1 (3) ③er Input	
	Flashing (medium)	Flashing (medium)	
	Power supply settings	⁻ 7.1.1 (3) ④	
	printe Ourstand Water		
	Do not use	1.1.1 (3) (5)	
	Transmission mode	· 7 1 1 (3) ⑥	
	Immediate transmission	Immediate transmission	
	Connection allowed		
	Permitted		
		Back	-
WDT-PRO			
WDT-PRO			
WDT-PRO	x	S VOS WINO	- 0 ×
WDT-PRO	×	WIT PRO Sottings (2/2)	- 0 X
WDT-PRO	×	WD5-WHRH WDT-PRO Settings (2/2)	- 0 X
WDT-PRO	X	WIDS-WINHEI WDDT-PRO Settings (2/2) Base Unit Model WDDE-DBS-PRO Base SPRO Base SPR	- C X
WDT-PRO	×	WD5-WW891 WDT-PRO Settings (2/2) Base Unit Model WD5-D985-PRO Current etemps	Apply All Setting Changes
WDT-PRO WDT-PRO Settings (1/2) MC Address Firmware version 021 Current settings Wireless Settings Wireless Settings	settings	WDS-WHEEP WDDT-PRO Settings (2/2) Base Unit Model WDB-De95-PRO Current settings WDB Settings	Apply All Setting Changes
WDT-PRO	settings (3) 0) ³⁵ 00000 [1111]	WD5-WH061 WDT-PRO Settings (2/2) Base Unit Model WDB-D805-PRO 021 Current settings Current settings WDB Settings Current settings Current settings Current settings	Apply All Setting Changes
WDT-PRO	settings (3) (0) (3) (2) nnel (3) (2) nnel (3) (2) nnel	Software WDT-PRO Settings (2/2) Base Unit Model WDB-D80S-PRO 021 Current settings WDB Settings WDB Settings Determine Signal Tower Input Flashing Inedum) Power supply settings	Apply All Setting Changes
WDT-PRO WDS-WHOT WDT-PRO Settings (1/2) MGC Address GCE CAAFFE 019955 021 Current settings Wireless Settings Extended Panto proposed Wireless Settings Firmware version 7.1.1 1000 1111 Frequency Channel 1111 111 111 111 111 111 111	settings (3) (1) ²⁵ 10 0000 1111 (3) (2) nod 18 18 17 18 Select all	WDT-PRO Settings (2/2) Base Unit Model WDD-D005:PRO U21 Current settings WDB Settings WDB Settings UWB Settings Power supply settings Power Supply Wire	Apply All Setting Changes
WDT-PRO WDT-PRO Settings (1/2) Mc Address (aCE40AFFFE019955 Firmware version (aCE40AFFFE019955 Verselow Verselow Webselow Verselow Verselow <	settings (3) (1) ²⁵ 0 00000 [1111 (3) (2) ²⁶ nel 14 15 16 17 18 Select all 14 15 16 17 18 Clear all 20 21 22 23 24 25 26 Clear all	WDS-WWWH WDT-PRO Settings (2/2) Base Unit Model WDB-D0959-PRO Current settings Determine Signal Tower Input Flashing indium Power supply settings Power supply settings Dounter settings Dounter settings Dounter settings Dounter settings Dounter settings Dounter settings	Apply All Setting Changes New settings - WDB Settings - T.1.1 (3) (3) er input T F.1.1 (3) (4) - T.1.1 (3) (4) - T.1.1 (3) (4) - T.1.1 (3) (5)
WDT-PRO WDT-PRO Settings (1/2) MC Address Firmware version jcccetuar:Free19955 Firmware version Current settings New Extended Panto Formation Frequency Channel T1 10 20 20 22 7.1.1 10 20 20 22 24 25 10 V015 Settings 20 20 24 25 20 10	settings (3)) ³⁵ 0 0000 0000 1111 (3) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	WDS-WR091 WDDT-PRO Settings (2/2) Base Unit Model WDB-D085-PRO Current settings Determine Signal Tower Input Flashing moduming Power supply settings Power supply settings Power Supply with Courter settings Do not use Sensitivity for Determining Simultaneous Input Market Processing Simultaneous Input	Apply All Setting Changes New settings
WDT-PRO WDT-PRO Settings (1/2) MC Address Firmware version 021 Current settings Vertex ExtendedPanID 10000 Proquency Channel 11 11 12 12 12 12 12 13 14 15 16 17 18 19 10 10 12 12 12 13 14 15 16 17 18 17 18 17 18 17 18 17 18 19 10 10 12 13 14 15	settings (3) (1) ²⁵ (3) (2) ²⁵ (3) (2) ²⁵ (3) (2) ²⁵ (3) (2) ²⁵ (3) (2) ²⁵ (3) (2) ²⁵ (3) (6) ²⁵ (2) (2) (2) ²⁵ (3) (6) ²⁵ (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	WD5-WX891 WDT-PRO Settings (2/2) Base Unit Model WDB-D095-PRO Urrent settings Determine Signal Tower Input Flashing medium) Power supply settings Power	Apply All Setting Changes New settings "Works Settings" "T.1.1 (3) (3) er Input "T.1.1 (3) (4) "T.1.1 (3) (5) "T.1.1 (3) (5) "T.1.1 (3) (5) "T.1.1 (3) (6) "T.1.1 (3) (5) "T.1.1 (3) (6) "T.1.1 (3) (7) "T.1.1 (3) (7) "T.1.1 (3) (7) "T.1.1 (3) (7) "T.1.1 (7) "T.1.
WDT-PRO WDT-PRO Settings (1/2) MC Address PCCEDAFFE019955 Current settings Current settings Current settings PCCEDAFFE019955 D21 Current settings ExtendedPanID PO000 PO000 PO000 PO000 PO000 PO000 Potense Programmediate transmission Programmediate transmission	settings (3) (1) ³⁵ (3) (2) ⁷⁵ (3) (2) ⁷⁶ 12 ¹² ¹² ¹² ¹² ¹² ¹² ¹² ¹	WOS WARKS WOS WARKS Base Unit Model WDB-DBOS.PRO DO21 Current settings WOB Settings Determine Signal Tower Input Flashing (modum) Power supply settings Power Supply Wite Counter settings Do not use Sensitivity for Determining Simultaneous Input High Sensitivity RS-232C Communication Settings	Apply All Setting Changes New settings "Wohld Setting Changes "Wohld Settings "T.1.1 (3) (3) "T.1.1 (3) (3) </th
WDT-PRO WDS-Weet WDT-PRO Settings (1/2) Mc Address (6CE-00AFFFE019955) 021 Current settings Virteress	settings (3) () ²⁵ 0 0000 [1111 (3) (2) 21 22 23 24 25 26 Clear all 1 Select all (3) (6) ode (3) (7) resion (13) (3) (6) ode (3) (7) resion (13) (3) (7) resion (13) resion (13) (3) (7) resion (13)	MDS-WHOSE WDDT-PRO Settings (2/2) Base Unit Model MyDD-D0050-PRO Unit Model WDB Setings WDB Setings Determine Signal Tower hput Flashing (medum) Power supply settings Power supply settings Power supply settings Do not use Sensitivity for Determining Simultaneous input High Sensitivity Res.222C Communication Settings Flest Format for Rescience Data	Apply All Setting Changes New settings
WDT-PRO WDT-PRO Settings (1/2) Mc Address (CEQAAFFE019955 Firmware version [0.21 Current settings Firmware version Ootoo 0000 Firmware version Ootoo 0000 Firmware version Owner Settings Firmware version 7.1.1 10000 0000 0000 111 7.7.1.1 10000 0000 0000 111 7.0 0000 VW Verses Settings 7.7.1.1 7.7.1.1 7.7.1.1 9.00 20.00 0000 7.7.1.1 10000 0000 0000 0000 111 0.00 0000 110 0.00 0000 WOT Settings 7.1.1 9.00 20.00 20.00 20.00 9.00	settings (3) (1)5 0 0000 0000 1111 (3) 2 21 22 23 24 25 26 Clear all (3) (2) reston (3) (MOS-WHEE MOS-WHEE Base Unit Model MVDT-PRO Settings (2/2) Base Unit Model MVDB-D8985-PRO 021 Current settings Determine Signal Tower Input Flashing indication Power supply settings Flashing from the reserved Data Direct Communication Baudrate	Apply All Setting Changes Apply All Setting Changes INEw settings
WDT-PRO WDT-PRO Settings (1/2) MC Address Firmware version jccEctDAFFE019955 Firmware version Current settings New Doto proceeding 7.1.1 19 28 29 20 22 7.1.1 19 28 29 20 22 24 25 20 WOT Settings Frequency Channel Transmission mode Transmission	settings (3) () ³⁵ (0) (0000 [111] (3) (2) nel 127 20 21 22 23 24 25 26 Clear all (3) (5) octe (3) (7) sision (3) (8) smat (3) (9) cmat (3) (9) c	WDS-WHEEP WDDT-PRO Settings (2/2) Base Unit Model Firmware version 021 Current settings Determine Signal Tower Input Flashing medium Power supply settings Dondu use Sensitivity for Determining Simultaneous Input Pine Second Data Direct Communication Settings Flie Format for Received Data Direct Communication Baudrate good power Supply The Communication Second Data Direct Communication Baudrate power Supply	Apply All Setting Changes New settings "Web settings" "PDB settings" "T.1.1 (3) (3)
WDT-PRO WDT-PRO Settings (1/2) MC Address Immediate frammare version Immediate frammasion Immediate frammission	settings (3) () ^{J5} (0) [0000 [1111] (3) (2) nel (4) (3) (2) nel (4) (3) (2) nel (5) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	WDS-WHEEP WDDT-PRO Settings (2/2) Base Unit Model WDB-D805-PRO 021 Current settings Determine Signal Tower Input Playsing freedom Power supply settings Power supply	Apply All Setting Changes New settings "New settings "P.1.1 (3) (3) er Input "F.1.1 (3) (3) (4) "F.1.1 (3) (3) (4) "F.1.1 (3) (3) (5) "F.1.1 (3) (3) (5) "F.1.1 (3) (3) (5) "F.1.1 (3) (13) (5) "F.1.1 (3) (10) ning Simultaneous Input "F.1.1 (3) (10) ed Data "F.1.1 (3) (12) (12) (12) (12) (12) (12) "F.7.1.1 (3) (12) (12) (12) (12) (12) (12) (13) (13) (13) (13) (14) (11) (13) (16) (12) (13) (15) (15) (15) (15) (15) (15) (15) (15
WDT-PRO Wos-weet Wos-Weet WDT-PRO Settings (1/2) McA Address (GCE 4DAFFFE 019855) Current settings Current settings Witeless Settings Extended Pail 10000 <trr></trr>	settings (3) (1) ³⁵ (3) (2) ³⁵ (3) (2) ³⁶ (3) (2) ²⁶ (3) (3) ⁶ (3) ⁶ (4) ⁷ (3) ⁶ (5) ⁷ (5)	MOS-MARE MOS-MARE MOS-MARE MOS-SPRO MOS-DROS-SPRO MOS-DROS-SPROS-SPRO MOS-DROS-SPROS-SPRO-SPROS-SPRO-SPROS-S	Apply All Setting Changes New settings WDB Setting Changes 7 1.1 (3) (3) er input 7 7.1.1 (3) (3) 4 Prover Satury new Satury ne
WDT-PRO WDS-Were WDT-PRO Settings (1/2) MC Address GCC UDAFFFE 019955 021 Current settings WERES Settings Extended Paralo 0000 0000 0000 0000 0000 1111 1212 120 120	settings (3) () 5 0 0000 0 0000 1111 (3) (2) 12 22 23 24 25 26 Clear all (3) (2) resion (3) (2) resion (3) (3) (2) resion (3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	MOS-WHEE MOS-WHEE Base Unit Model MOD-DOBOS-PRO Difference	Apply All Setting Changes "New settings "T.1.1 (3) (3) er input "Frank medium "T.1.1 (3) (4) """"""""""""""""""""""""""""""""""""
WDT-PRO Vorsewer WDT-PRO Settings (1/2) MC Address (CC40AFFFE019955 Firmware version (Current settings VUTeless Settings Vorsewer Versewer	settings (3) (1) 5 0 0000 0000 1111 (3) 2 21 22 23 24 25 26 Clear all (3) (2) 7 15 Clear all (3)	MOS-WHEE Most and the set of the s	Apply All Setting Changes New settings VDB Setting 7.1.1 (3) (3) er input IF Easton (from a setting) 7.1.1 (3) (10) ning Simultaneous input Pices resolution 7.1.1 (3) (10) ning Simultaneous input Pices resolution 7.1.1 (3) (10) ning Simultaneous input Pices resolution 7.1.1 (3) (10) ed Data 7.1.1 (3) (10) 7.1.1 (3) (10) 7.1.1 (3) (10) 8 9 10 11 12 13 14 15 16 17 18 19 11 10 11 12 13 14 15 16 17 18 19 19 10 11 12 13 14 15 16 17
WDT-PRO WDS-WEE WDT-PRO Settings (1/2) MC Addres [CCE0AFFFE019955 [21] WEENAGEPAND COUNTING Settings WITH Standard Frequency Channel 10000 0000 0000 1111 Frequency Channel 10000 0000 0000 1111 Frequency Channel WOT Settings Transmission mode Transmission mode Transmission Period: Transmission Nore Signal Tover Format Signal Addre Format Signal Tover Format Signal	Settings (3) (1) ³⁵ (3) (2)	VDC-VR04 Base Unit Model Firmware version 0.21 Oursent settings Determine Signal Tower Input Flashing modulus Power supply settings Power supply vertings Power supply vertings Power Supply Vine Counter settings Power Supply Settings Power Supply Vine Counter settings Power Supply Vine Counter settings Foreit Consumication Settings File Format for Received Data Dida Length Panty Stop Bit Jo	Apply All Setting Changes New settings VOB Settings 7.1.1 (3) (3) er input er input <t< th=""></t<>

(3) Description of settings

① ExtendedPanID

Description

The ExtendedPanID is used to group a WDR with WDT units.

Setup process

Enter 16 single-byte alphanumeric characters

Setup value

<u>_</u>

By default, the EPID of the WDT is 0000 0000 0000 0000, which is the value for universal search mode, and will usually link to the closest receiver grouping. To avoid interference of groupings, change the ExtendedPanID of the WDT during configuration.

② Frequency Channel

Description

Set the wireless frequency band for the WD system.

Setup process

Select check boxes (multiple selections possible)

Setup value

CH11 / CH12 / CH13 / CH14 / CH15 / CH16 / CH17 / CH18 / CH19 / CH20 / CH21 / CH22 / CH23 / CH24 / CH25 / CH26

 Select at least one channel. Make sure that the WDT and WDR have at least one common channel number.

③ Determine Signal Tower Input

Description

Define the input setting of the signal tower.

Setup process

Choose flash speed from drop-down menu

Setup value

Choose Flash Speed:

Normal = No flashing Flashing (short): SS seconds = 0.7 seconds Flashing (medium): SS seconds = 1.5 seconds Flashing (long): SS seconds = 2.5 seconds

* Flashing is identified when there are two status changes within a defined period. This period is called "SS seconds".

For more information, refer to rightarrow section 9.1.2 "Determine Signal Tower Input" in the "[WDT- \Box LR-Z2/WDR-L(E)-Z2-PRO Instruction Manual]".

④ Power supply settings

Description

Select the wire to use as a power supply.

Setup process

Selection list

Setup value

Power supply wire: Red, Yellow, Green, Blue, or White

NOTICE

- Depending on the WDT model, the wire(s) used as the power supply source will vary.
- · WDT-4LR-Z2/WDT-5LR-Z2/WDT-6LR-Z2: Select [Power supply wire].
- · WDT-5E-Z2/WDT-6M-Z2: Select a wire from [Red] to [White].

5 Counter Settings

Description

Select a signal wire to use for the Simple Counter Function.

Setup process

Selection list

Setup value

Select from: Do not use, Red, Amber, Green, Blue, White, Buzzer

NOTICE

- The above settings are for WDT-4LR-Z2/WDT-5LR-Z2/WDT-6LR-Z2 (version 3.06 or later). The buzzer cannot be set for the counter function for WDT-5E-Z2/WDT-6M-Z2.
- ◆ For WDT-4LR-Z2, WDT-5LR-Z2, and WDT-6LR-Z2, DIP switch 2 can be turned ON to activate the counter function. In this case, the blue wire will be used.
 For more information, refer to ☞ section 9.1.1 "Wireless Data Transmission Function" in the "[WDT-□ LR-Z2/WDR-L(E)-Z2-PRO(-L) Instruction Manual]".
- The counter value recorded by the WDT does not get cleared even after setting the Counter settings to [Do not use] from the WDT settings menu. To clear counter values, use one of the following methods, then go back to the WDT settings and set the Counter settings to [Do not use].
 - ① From the [Collecting data -- WDT information --] screen, click on the yellow 'c' button on the right side of the user name cell.
 - ② Turn off the power supply of the WDT unit.

6 Transmission mode

Description

Select how signal tower information is transmitted.

Setup process

Selection list

Setup value

Immediate transmission or Request transmission





When collecting data with this product, set WDT [Transmission mode] field to [Immediate transmission].

⑦ Periodic Transmission

Description

Choose specific information to transmit periodically.

Setup process

Selection list

Setup value

None, Unit Information, Input Information/Signal Tower Information

For more information, refer to \Im section "8.4.2 Data Transmission Function" in the "[WD PRO Series (WDB-D80S-PRO, WDT-6LR-Z2-PRO) Instruction Manual]".

$\textcircled{8} \ \text{Signal Tower Format}$

Description
Select a transmission format in [WDT-LR] method
Setup process
Selection list
Setup value
Standard or Extension

* This setting is disabled when [WDT-PRO] method is selected.

Input Information Transmission Method

Select how information is transmitted to WDR.

Setup process

Selection list

Setup value

WDT-PRO method or WDT-LR method

For more information, refer to Section "8.4.2 Data Transmission Function" in the "[WD PRO Series (WDB-D80S-PRO, WDT-6LR-Z2-PRO) Instruction Manual]".

10 Sensitivity for Determining Simultaneous Input

Description

Adjust level of sensitivity when multiple status changes are recorded at once.

Setup process

Selection list

Setup value

High, Medium, Low

For more information, refer to Section "8.2.3 Determining Simultaneous Input for Signal Tower Circuit Board and External Input" in the "[WD PRO Series (WDB-D80S-PRO, WDT-6LR-Z2-PRO) Instruction Manual]".

1) File Format for Received Data

Desc	ript	tion
2000	יקייי	

Select the file format for RS-232C data.

Setup process

Selection list

Setup value

Direct Communication, Barcode Reader (Denso Wave) Communication, Barcode Reader (Generic) Communication

For more information, refer to IF section "8.3.2 Data Receiver Function" in the "[WD PRO Series (WDB-D80S-PRO, WDT-6LR-Z2-PRO) Instruction Manual]".

12 Baud Rate

Description
Select the baud rate for RS-232C data communication.
Setup process
Selection list
Setup value
4800, 9600, 19200, 38400, 57600, 115200 (bps)

① Data Length

Description
Select the data length for RS-232C data communication.
Setup process
Selection list
Setup value
7, 8 (bits)

14 Parity

15 Stop Bit

Description

Select the stop bit for RS-232C data communication.

Setup process

Selection list

Setup value

1, 2 (bit(s))

7.1.2 WDR settings (computer connection settings)

(1) List of Settings

Setup Item	Settings	References
LAN connection settings	IP address	🖙 7.1.2 (3) 🛈
	Subnet mask	🖙 7.1.2 (3)
	Default gateway	ন্ধ 7.1.2 (3) 🕄
	Port number	ন্ধ 7.1.2 (3) ④
USB connection settings	COM port	ঙ্গ 7.1.2 (3) 🕉

<u>_</u> !	You need to log in from a Web browser to set up operations related to LAN connection settings.	

- (2) Layout of settings
- Computer connection settings (LAN connection)



• Computer connection settings (USB connection)

🖌 WDS-WIN01 — 🗆 🗙
ℰ WDT/WDR settings
Select COM port
COM port COM5 Update COM port list 7.1.2 (3) (5)
Next Back

(3) Description of settings



1 IP address

Description

Enter the IP address of the WDR. (for use with LAN)

Setup process

Single-byte numeric characters (0 to 9) and periods (.)

Setup value

IPv4 IP address (xxx.xxx.xxx) where "xxx" is a value from 0 to 255

② Subnet mask

Description

Enter the subnet mask of the WDR.

Setup process

Single-byte numeric characters (0 to 9) and periods (.)

Setup value

IPv4 subnet mask (xxx.xxx.xxx) where "xxx" is a value from 0 to 255

③ Default gateway

Description

Enter the default gateway for the WDR.

Setup process

Single-byte numeric characters (0 to 9) and periods (.)

Setup value

Default gateway (xxx.xxx.xxx) where "xxx" is a value from 0 to 255

④ Port number

Enter the port number of the WDR. (for use with LAN)

Setup process

Description

Single-byte numeric characters (0 to 9)

Setup value

0 to 65535

⑤ COM port

Description

Select the COM port number. (for use with USB)

Setup process

Selection list

Setup value

COM port number displayed in the list

7.1.3 WDR settings (Wireless settings)

(1) List of Settings

Setup Item	Settings	References
	ExtendedPanID	🖙 7.1.3 (3) 🛈
Wireless settings	Frequency Channel	🖙 7.1.3 (3)
	Network startup method	☞ 7.1.3 (3) ^③

(2) Layout of settings

≦ wos-					- 🗆 ×		
		settings					
	/DT list	Update WDT list		Sele	ect to configure		
N	lo Select	Status	MAC Address	User name			
1	t 🗆	Connected 5	9C232FFFE57927B	Machine01			
2	2	Connected 60	CE4DAFFFE019955	Machine02			
3	3	Connected UL	UU4GFFFEG8ADA1	Machineud			
CUUD CCUU M 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	R settings ment settings WAC Address Sec32FFFE578129 ExtendedPanID 0000 0000 Frequency Channel 11 12 12 12 12 12 12 12 12 12	Firmware version 2.99 0000 1111 5 16 3 24 25 25 ended)	New settings	pply All Setting Changes 0000 [1111 15 10 17 18 12 28 26 d	Select all Clear all Back	3 (3) ① ☞ 7.1.3 (3) ((3) ③	2

(3) Description of settings

① ExtendedPanID

Description

The ExtendedPanID is used to group a WDR with WDT units.

For more information, refer to \Im section "6.1.3 About Grouping and ExtendedPanID" in the "[WDT- \Box LR-Z2/WDR-L(E)-Z2 Instruction Manual]".

Setup process

Enter single-byte alphanumeric characters (0 to 9 and A to F)

Setup value



♦ When set to 0000 0000 0000 0000, it is treated as the same MACAddress as the WDR.

② Frequency Channel

Description

Select the wireless frequency band for the WD system.

For more information, refer to ☞ section "6.1.1 What is the WD Wireless Network?" in the "[WDT- □ LR-Z2/WDR-L(E)-Z2 Instruction Manual]".

Setup process

Select check boxes (multiple selections possible)

Setup value

CH11 / CH12 / CH13 / CH14 / CH15 / CH16 / CH17 / CH18 / CH19 / CH20 / CH21 / CH22 / CH23 / CH24 / CH25 / CH26



• Select at least one channel.

• Make sure that the WDT and WDR have at least one common channel number.

③ Network startup method

Description

Select how the network starts up when powering on the WDR.

Setup process

Selection list

Setup value

Automatic start (recommended) / Manual start



7.2 Data collection

7.2.1 Initial settings (save as CSV file)

(1) List of Settings

Settings	References
CSV file destination	s 7.2.1 (3) 🛈
File creation method	🖙 7.2.1 (3)
File division method	জ্ঞ 7.2.1 (3) 🕄
CSV file format	জ্ঞ 7.2.1 (3) ④
Correct the time	l☞ 7.2.1 (3) ⑤
On dividing, output information	☞ 7.2.1 (3) ⁶

(2) Layout of settings

Image: Section and a collection operation settings Fixed operation settings Export operation settings Initial settings Initial settings Initial settings Initial settings Initial settings Initial settings Initial settings Initial settings ISW file destination ISW file settings Data collection method Initial settings ISW file settings Ist collection method Ist collection method Ist collection method ISW file settings VDR list Vide with LAN Ise with USB Update COM port list ID one collect Is Ise with USB Update COM port list Ise with COM port list ID one collect Is Ise with COM port ISE with to B with USB Ise with COM port list Ise with COM port list ID one collect Is Ise with COM port ISE with to B with to					
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Save WDT user name Data collection method · Automatic start · WDR list · Use with LAN · Use with USB · Update COM port list · Do not collect · Start data collection · Back		CSV file settin	ngs		
Save list • Automatic start • Manual start WDR list • Use with LAN • Use with USB Update COM port list Image: Do not collect Image: Do not collect Start data collection Back Start data collection Back File containing Start data collection Image: Containing		Save WDT user name	Data collec	tion method	
Save ins. • Manual start WDR list • Use with USB Updale COM port list No Collection COM port User name 1 Do not collect • Maximum Back Start data collection Back		Savalist	C Autor	matic start	
WDR list Use with LAN • Use with USB Update COM port list No Collection COM port User name 1 Do not collect Image: CSV file settings Image: CSV file settings * WK-WHR * Correct It is mane 1 Description * CSV file settings * Correct It is mane 1 Description * Correct It is mane 1 Discription 12 Second tool Kontacionality * Correct It is mane 1 Discription 12 Second tool Kontacionality Image: CSV file settings * Correct It is mane 1 Discription 12 Second tool Kontacionality Image: CSV file settings * Diverse by table * Diverse by table * Second tool Kontacionality Image: Correct tool Kontacionality Image: Corect tool Kontacionality		Save list	@ Manu	ual start	
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Image: Collection Collection Start data collection Back Start data collection Back Image: Collection Collection Image: Collection		C Use with LAN	© Use with USB	Update COM port list	1
Image: Doing collect Image: Doing collect Image: Doing		No Collection C	COM port User name		
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Start data collection Back Image: Common file annelod Image:					
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Image: control of the settings Image: contred the tine Image:					
Image: Total (3) (2) File creation method CSV file format Image: Total (1) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (3) (3) Image: Total (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)					
File creation method CSV file settings * Common * Common * Common * Common * Common * Common * Common * Common * Per WOR * Per WOT * Per WOR * Edermal input Information * Ovide by date * Ovide by time * Ovide by time * To ere information * Ovide by time * To ere information * Ovide by time * Ovide by time * Ovide by time * Ovide timemation * Ovide by time * Ovide timematin * Ovide by time <td>3</td> <td>WDS-WIN01</td> <td></td> <td>- 0</td> <td>×</td>	3	WDS-WIN01		- 0	×
File creation method CSV file format I DaterTime 12 RS-232C Data(Hexadecimal) 2 MAC address (MDT) 13 External input Information 13 External input Information I DaterTime 2 MAC address (MDT) 14 Cear Input Information I Cear Input Information I Red Information 3 User name (MDT) 14 Cear Input Information I Red Information I Red Information I Divide by tile size Donot divide I Bue information I Bue information I Dot divide For ond viding. output information I DaterTime I Carrent the time I Divide by tile size To ond viding. I ONT montoring Information I DaterTime I Dot divide I Ont divide I Correct the time I Carrent the time		CSV file settings			
 T.2.1 (3) (2) Common (ile name) Date/Time PS-232C Data(Hexadecimal) External input Information A Red information Green informa		ile creation method	CSV file format		7 2 1 (3)
 Per WDR Per WDT Subser name (WDT) I Seremal input information Gere information Whide by date Divide by time File division Green information Green inf	₽ 7.2.1 (3)	Common (file name)	1 Date/Time	12 RS-232C Data(Hexadecimal)	· · · · · · · · · · · · · · · · · · ·
Per WDR Per WDR Per WDR Per WDR Per WDT Per WDT Per WDT Per WDT Pile division method Olvide by date Olvide by time Pile information Pile Olvide by time Pile Olvide by time Pile Olvide by time Pile Olvide by time Pile Olvide Olvide Pile Olvide Olvide Pile Olvide Olvide Pile Olvide Ol			2 MAC address (WDT)	13 External Input Information(Hexadecima	
 File division method Divide by date Divide by time To bide by time To by time To bide by time To bi		C Per WDR	3 User name (WDT)	14 Clear Input Information	-
^a Divide by date ^b Divide by date ^c Divide by date ^c Green information ^c Divide by date ^c Divide by date ^c Green information ^c Green information ^c Divide by file size ^c On dividing. output information ^c	r F	ile division method	4 Red information	⊥ ⊐	
Image: Total system Image: Total system<		 Divide by date 	6 Green information	1	
TO individing output information TO individing output information Conct the time Save Back	☞ 7.2.1 (3) (3)	C Divide by time	7 Blue information	-	
Image: Second state sta		□ 09 : 00	8 White information		
F 7.2.1 (3) 6 Conditioning, output information C on dividing, output information C or ect the time Save Back			9 Buzzer information	•	
The formation output information area and a series of the time are		1000 kbyte	10 WDT monitoring information	•	
Ton dividing, output information Correct the time Ton dividing, output information Save Back		C Do not divide	11 Counter value	•	
Save Back	🖙 7.2.1 (3) 🌀 —	C On dividing, output information	Correct the time	7.2.1 (3) ⑤	
				Save Back	
				Save Back	

(3) Description of settings

① CSV file destination

Choose a destination to save collected data (CSV files).

Setup process

Define folder selection

Setup value

Local drive folder

•	_
<u>.</u>	

 Network drives and external storage devices (such as SD cards) cannot be specified as a save destination.

② File creation method

Description

Select how the CSV files are created.

* The file name is created according to the selected method. For information, refer to I section "8.2.1 CSV file format".

Setup process

Toggle selection

Setup value

Common / Common (file name)^{*1} / Per WDR / Per WDT

*1: Enter any file name for [Common (file name)].

File name	Setup process
	Enter single-byte alphanumeric characters (0 to 9 and A to Z) and double-byte characters
	Setup value
	1 to 20 characters
	Initial value
	(blank)

When choosing either [Per WDR] or [Per WDT] in File creation method, subfolders for each MAC address are automatically created in the CSV file destination folder.

③ File division method

Description

CSV files are split up as defined by the selected method.

For information on file names of divided files, refer to \Im section "8.2.2 CSV file name".

Setup process

Toggle selection

Setup value

Divide by date / Divide by time*1 / Divide by file size*2 / Do not divide

*1: In [Divide by time] mode, the time span is set using the below properties.

	Setup process				
	Select check boxes				
Enable / Disable	Setup value				
Ellable / Disable	☑ (enabled) □ (disabled)				
	Initial value 1	Initial value 2	Initial value 3		
	Setup process				
	Enter single-byte numeric characters (0 to 9)				
Hours	Setup value				
nours	0 to 23				
	Initial value 1	Initial value 2	Initial value 3		
	00	09	18		
	Setup process				
Minutes	Enter single-byte numeric characters (0 to 9)				
	Setup value				
	0 to 59				
	Initial value 1	Initial value 2	Initial value 3		
	00	00	00		

*2: In [Divide by file size] mode, you can divide files based on the file size.

Size (KB)	Setup process
	Enter single-byte numeric characters (0 to 9)
	Setup value
	100 to 1000
	Initial value
	1000

④ CSV file format

Description
Select the types of information to include in the CSV file. *select up to 14 fields (the first field is locked as [Date/Time]).
* For an example file output, refer to ☞ section "8.2.4 Example CSV file output".
Setup process

Selection list

Setup value

No settings / MAC address (WDT) / User name (WDT) / Red information / Amber information / Green information / Blue information / White information / Buzzer information / WDT monitoring information / Counter value / RS-232C data (Hexadecimal) / RS-232C data (ASCII code) / External input information (Binary) / External input information (Decimal) / External input information (Hexadecimal) / Clear input information

 Each file format can only be selected once. Fields within your list of selected fields cannot be left at [No settings].

5 Correct the time

Description

Choose whether or not to correct the time when saving Date and Time information to CSV.

- * Depending on your network environment, there could be a slight lag between the actual time that the signal tower changed statuses, and when that status change was recorded as CSV data. This [Correct the time] function can improve time accuracy.
- * For the WDT-4LR/WDT-5LR/6LR-Z2 models and WDT-PRO series, this function is disabled when [Signal Tower Format] is set to [Standard].

For information, refer to \Im section 9.1.1.2 "Select Format of Signal Tower Information" in the "[WDT- \Box LR-Z2/WDR-L(E)-Z2 Instruction Manual]".

Setup process

Select check boxes

Setup value

☑ (Correct) · □ (Do not correct)

6 On dividing, output information

Description

When dividing a CSV file, depending on the divide CSV file condition, select whether or not to output Signal Tower information of all transmitters for files to close and files to generate.

* For more information, refer to 🖙 section "8.2.7 Signal Tower Information Output When Dividing Files".

Setup process

Select check boxes

Setup value

 \checkmark (output) $\cdot \Box$ (do not output)

7.2.2 Initial settings (Save WDT user name)

(1) List of Settings

Setup Item	References
Enter MAC Address	🖙 7.2.2 (3) 🛈
Enter user name	ঙ্গ 7.2.2 (3) ②
Search user name	ঙ্গ 7.2.2 (3) 🕄

(2) Layout of settings

	> WDS-WIN01		- 🗆 ×	
	Save WDT user na	ime		
	WDT list			
	No MAC Address	User name		
<i>☞</i> 7.2.2 (3)			 7.2.2 (3)	
	Search string			
	Search string			7 7 7 7 (3) (3)
	Search sung			1.2.2 (3) 3
		Previous Next		
	Import (.ini	file) Save	Back	

(3) Description of settings

1 Enter MAC Address

Description
Register the MAC address.
Setup process
Enter single-byte alphanumeric characters (0 to 9 and A to F)
Setup value
16 single-byte alphanumeric characters

2 Enter user name

Description
Register a user name with the MAC address.
Setup process
Enter single-byte alphanumeric characters, double-byte alphanumeric characters, hiragana, and kanji
Setup value
1 to 20 characters

③ Search user name

Description
Feature for searching registered user names.
Setup process
Enter single-byte alphanumeric characters, double-byte alphanumeric characters, hiragana, and kanji
Setup value
-

7.2.3 Initial settings (Data collection method)

(1) List of Settings

Setup Item	References
Data collection method	🖙 7.2.3 (3) 🛈

(2) Layout of settings

S WDS-WIN01			- 🗆 ×
Data collection	on operation		
	for an and the second sec		
[Transfer WDS-WIN01 In	formation		
Import operation	n settings	Export operation setting	IS
Initial settings			
- CSV file destination			
		Calent falder	
		Select loider	
CSV file setting	s		
Save WDT user name	Data coll	ection method	
Save list	C Au	omatic start	☞ 7.2.3
	• Ma	nual start	
WEICHSC			
• Use with LAN	ិ Use with USB		
No Collection IP	address Port	User name	_ _
1 Do not collect 💌	10001		
2 Do not collect -	10001		
3 Do not collect	10001		
4 Do not collect	10001		_
	Start dat	a collection	Back

(3) Description of settings

① Data collection method

Description

Select how data collection is triggered when this product starts up.

* When [Automatic start] is selected, data collection starts automatically from the next time this product starts up.

Setup process

Toggle selection

Setup value

Â

Automatic start / Manual start

When [Automatic start] is selected, data collection starts automatically from the launch screen. To prevent starting automatically, select [Manual start].

7.2.4 Data collection

(1) List of Settings

Setup Item	References
Collection	☞ 7.2.4 (3) ①
User name	IF 7.2.4 (3) 2

(2) Layout of settings

X	WDS-WIN01				- 🗆 ×	
	📑 Data coll	ection operation	tion			
	Transfer WDS-WI	N01 information				
	Import					
				p		
	nitial settings -					
	C:\PATLITE			Select folder		
	CSV fil	e settings				
	Save WDT user name		Data collection (method		
	Save WDT user hame	vo list	C Automatic	start		
		ve nac	 Manual st 	art		
	WDR list					
	 Use with LAN 	O Use with USB				
704(0)	No Collection	IP address	Port 10001	User name		704(0)
☞ 7.2.4 (3) (U	2 Do not collect	t 🚽	10001			7.2.4 (3) (2)
	3 Do not collect 4 Do not collect	t <u>•</u> t •	10001			
			Start data collec	tion	Back	
in the second se	DS-WIN01				×	
	Collecting dat	a WDR inform	ation			
	WDR-L-Z2					
	Factory01 Collecting data					
WDT	3 WDT 26 ch	ch WDT	ch WDT	ch WDT	ch	
WDT	 T WDT	WDT	WDT	WDT		
	ch	ch	ch	ch	ch	
WDT	WDT	WDT	WDT ch	Ch WDT	C ch	
WDT	ch WD1	ch	ch	ch WD1	ch	
	CSV file destination	CSV		E	nd data collection	

(3) Description of settings

① Collection

Description
Select the WDR to use for data collection. (LAN connection: maximum 20 units, USB connection: maximum 1 unit)

Setup process

Selection list

Setup value

Collect / Do not collect

2 User name

De	escriptio	n		

Register a user name for the WDR unit.

Setup process

Enter single-byte alphanumeric characters, double-byte alphanumeric characters, hiragana, and kanji

Setup value

1 to 20 characters

7.2.5 Transfer WDS-WIN01 information

(1) List of Settings

Setup Item	Setup Item	References	
Import operation settings	None	_	
Export operation settings	None	_	

(2) Layout of settings

≫ WDS-WIN01		- 🗆 X
■ Data collection ope	ration	
┌ Transfer WDS-WIN01 information	ו ———	
Import operation settings	Export op	eration settings
Initial settings		
CSV file destination		
C:\PATLITE		Select folder
CSV file settings		
Save WDT user name	Data collection meth	lod
Save list	 Automatic star Manual start 	t
WDR list		
WBICHSC		
Use with LAN C Use with U	JSB	
No Collection IP address	Port Us	er name
2 Do not collect	10001	
3 Do not collect	10001	
4 Do not collect	10001	
	Start data collection	Back
7.3 List of initial values

7.3.1 WDT/WDR settings

(1) WDT settings

WDT Series

Category	Setup Item	Initial value
Wireless settings	ExtendedPanID	0000 0000 0000 0000
	Frequency Channel	'CH11 - CH26' all ON
Run time settings	Determine Signal Tower Input	Flashing (medium)
	Power supply settings	Power line
	Counter Settings	Do not use
	Transmission mode	Immediate transmission

* These are the initial values for WDT-4LR-Z2/WDT-5LR-Z2/WDT-6LR-Z2.

NOTICE

- ◆ For WDT-5E-Z2 and WDT-6M-Z2, the default power supply is [White] wire.
- For WDT-4LR-Z2, WDT-5LR-Z2 and WDT-6LR-Z2, DIP switch 2 can be turned ON to activate the counter function. In this case, the [Blue] wire will be used.

Category	Setup Item	Initial value
Wireless settings	ExtendedPanID	0000 0000 0000 0000
	Frequency Channel	'CH11 - CH26' all ON
	Determine Signal Tower Input	Flashing (medium)
	Power supply settings	Power line
	Counter Settings	Do not use
Run time settings	Transmission mode	Immediate transmission
	Periodic Transmission	None
	Input Information Transmission Method	WDT-LR
	Signal Tower Format	Standard
	Sensitivity for Determining Simultaneous Input	High Sensitivity
RS-232C Communication	File Format for Received Data	Direct Communication
	Baud Rate	9600
	Data Length	8
Settings	Parity	None
	Stop Bit	1

WDT-PRO Series

* These are the initial values for WDT-6LR-Z2-PRO and WDB-D80S-PRO.

(2) WDR settings

For WDR-L-Z2/WDR-LE-Z2

Category	Setup Item	Initial value	
Wireless settings	ExtendedPanID	0000 0000 0000 0000	
	Frequency Channel	'CH11 - CH26' all ON	
	Network startup method	Automatic start (recommended)	
LAN communication	IP address	192.168.0.1	
	Subnet mask	255.255.255.0	
	Default gateway	0.0.0.0	

■ For WD PRO receiver

Category	Setup Item	Initial value	
Wireless settings	ExtendedPanID	0000 0000 0000 0000	
	Frequency Channel	'CH11 - CH26' all ON	
	Network startup method	Automatic start (recommended)	
LAN communication	IP address	192.168.10.1	
	Subnet mask	255.255.255.0	
	Default gateway	0.0.0.0	

7.3.2 Data collection

Category	Setup Item	Initial value		
Initial pattings	Data collection method	Manual start		
mittai settings	CSV file destination	(blank)		
	File creation method	Common		
	File division method	Divide by date		
	When dividing, output Signal Tower information	□ (do not output)		
		1. Date/Time		
		2. MAC address (WDT)		
		3. User name (WDT)		
		4. Red information		
		5. Amber information		
CSV file settings		6. Green information		
		7. Blue information		
	CSV file format	8. White information		
		9. Buzzer information		
		10. WDT monitoring information		
		11. No settings		
		12. No settings		
		13. No settings		
		14. No settings		
	Correct the time	□ (unselected)		
Save WDT user name	WDT user name	(undefined)		
	WDR	Use with LAN		
	IP address	(blank)		
	Port	10001		
	COM port	(blank)		
	Collection	Do not collect		
	WDR user name	(blank)		

8 Specifications

8.1 Software specifications

Model		WDS-WIN01
Product name		Hardware System Setting Software
Supported products		WDR: WDR-L-Z2, WDR-LE-Z2 WDR-L-Z2-PRO, WDR-L-Z2-PRO-L, WDR-LE-Z2-PRO, WDR-LE-Z2-PRO-L WDT: WDT-6M-Z2, WDT-5E-Z2, WDT-4LR-Z2, WDT-5LR-Z2, WDT-6LR-Z2 WDT-6LR-Z2-PRO WDB: WDB-D80S-PRO
Maximum nu connections	mber of WDR	20 units (maximum 1 unit for USB serial connection)
WDR connec	tion method	LAN socket connection / USB serial connection
Maximum nut to administer	mber of WDT units	600 units
	Supported operating systems	Windows [®] 7 (32/64-bit), Windows [®] 8.1 (32/64-bit), Windows [®] 10 (32/64-bit), Windows [®] 11 (64-bit), Windows [®] Server 2012 R2 (64-bit), Windows [®] Server 2016 (64-bit), Windows [®] Server 2019 (64-bit), Windows [®] Server 2022(64-bit)
Operation Environment	Supported languages	Japanese, English, Simplified Chinese, Traditional Chinese, Korean, Thai, Indonesian, Spanish (Select manually)
	Execution authority	Administrator / Standard user ^{*1}
	Requirements	Personal computer with standard Windows [®] operation (does not work with tablet PC)NET Framework 4.5 installed
Standard functions		 Data collection^{*2} Collect changes in input status information (Signal Tower / external input), RS-232C data and clear input information. Output changes in input status information (Signal Tower / external input) to CSV data. Output RC-232C data to CSV files. Output Clear Input information to CSV files. Output Counter Value Information to CSV files. WDT/WDR settings Set up and change WDT (including WDB) Set up and change WDR

*1 When installing this product, the user must be logged in with administrator user rights.

*2 License authentication required to use this function

8.2 CSV file specifications

General description of the generated CSV files.

8.2.1 CSV file format

Format	CSV (Comma-Separated Values) file			
Extension	csv			
Character code	Unicode (UTF-8)			
Linebreak code	CR+LF			
Display language	Language defined in the [Language settings]			

8.2.2 CSV file name

(1) File creation method: Common

File division method	File name							
	Static		Date	Number				
Divide by date								
Divide by time		_auto	_auto	tlog _auto	outo	potlog outo		2222
Divide by file size	pallog				yyyy_mm_dd			
Do not divide								

_nnnn: 0001 to 9999

(2) File creation method: Common (file name)

File division method	File name					
File division method	Static	Characters	Number			
Divide by date		Any characters	_nnnn			
Divide by time						
Divide by file size	pallog					
Do not divide			/			

_nnnn: 0001 to 9999

(3) File creation method: Per WDR

File division method	File name				
	Static		Date	WDR MAC address	Number
Divide by date					
Divide by time	patlog	_auto	yyyy_mm_dd	_Rxxxxxxxxxxxxxxxxxxxxx	
Divide by file size					
Do not divide					

_nnnn: 0001 to 9999

Folders are created automatically for each WDR and CSV files are saved in those folders.

Folder name
WDR MAC address
Rxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

(4) File creation method: Per WDT

Sta	itic	Data		
		Dale	WD1 MAC address	Number
patlog	_auto	yyyy_mm_dd	_Txxxxxxxxxxxxxxxx	2222
p	oatlog	patlog _auto	oatlog _auto yyyy_mm_dd	patlog _auto yyyy_mm_dd _Txxxxxxxxxxxxx

_nnnn: 0001 to 9999

Folders are created automatically for each WDT and CSV files are saved in those folders.

Folder name
WDT MAC address
Txxxxxxxxxxxxxxx

8.2.3 Define information in CSV file output

(1) Description of CSV file format

CSV file format		ormat	Description	
Date/Time		ime	yyyy/mm/ddhh:mm:ss	
MAC	C ade	dress	WDT MAC address information	
Us	er na	ame	WDT user name information (MAC address when user name not created)	
	Re	d information		
	Am	per information		
Signal Tower	Gre	en information		
Information	Blu	le information	For output information, refer to ☞ section "8.2.3 (2) Output information	
	Wh	ite information	for signal tower, buzzer, WDT monitoring, and counter value"	
Buzzer	r info	rmation		
WDT monit	WDT monitoring information			
Cou	nter	value		
		Binary		
External Inp	out n	Decimal	For output information, refer to section "8.2.3 (3) Outputs of external input information"	
		Hexadecimal		
		ASCII	For output information, refer to $regional and region and the second sec$	
RS-232C Da	ata	character		
He		Hexadecimal		
Clear Input Information		formation	For output information, refer to 🖙 section "8.2.3 (5) Outputs for [clear input] information"	

(2) Output information for signal tower, buzzer, WDT monitoring, and counter value

Format	Output information	Description	
	0	Indicates signal tower information "light off".	
Signal Tower	1	Indicates signal tower information "light on".	
information	2	Indicates signal tower information "flashing".	
	9	Indicates signal tower information is defined as "power supply wire".	
Buzzer	0	Indicates buzzer information "off".	
information	1	Indicates buzzer information "on".	
WDT	0	Indicates "WDT not connected".	
information	9	Indicates "WDT connected".	
Counter value 0 to 4,294,967,295		The total count (counter value) of pulse inputs measured by a designated signal wire.	

(3) Outputs of external input information

Format		Output information	Description					
	Binary	0000000 to	The following describes the states of the 8 external inputs:					
	Dinary	11111111	External input					
			8 7 6 5 4 3 2 1					
	Decimal	0 to 255	Byte 1					
External			Bit 7 6 5 4 3 2 1 0					
Input			0 to 255	MSB LSB				
Information			When external input is ON, the bit is 1; when external input is OFF, the bit is 0.					
	Hexadecimal	00 to FF	Example) When external inputs 8 and 4 are ON and all the other inputs are OFF, the value is 10001000 (binary) 136 (decimal), or 88 (hexadecimal).					

(4) Outputs of RS-232C data

Fo	rmat	Output information	Description
	ASCII character	1 to 60 characters	Data input to BS 2220 part
RS-232C Data	Hexadecimal	1 to 60 bytes	Data input to RS-232C port.

(5) Outputs for [clear input] information

Format Output information		Description	
Clear Input Information	0	Clear input information is not performed.	
Clear input information	1	Clear input information was performed.	

8.2.4 Example CSV file output

- (1) Excel
- Signal tower, buzzer, WDT monitoring, and counter value

	-				-						
	A	В	C	D	E	F	G	н	I	J	K
1	Date/Time	MAC Address	User name	Red information	Amber information	Green information	Blue information	White information	Buzzer information	WDT monitoring information	Counter value
2	2019/1/17 13:58:20	xxxxxxxxxxxxxx01	Machine1	1	0	0	0	0	0	9	0
3	2019/1/17 13:58:54	xxxxxxxxxxxxxx01	Machine1	0	0	0	0	0	0	9	0
4	2019/1/17 19:04:09	xxxxxxxxxxxxxx01	Machine1	2	0	1	0	0	0	9	16
5	2019/1/17 19:05:30	xxxxxxxxxxxxxx01	Machine1	0	2	1	0	0	0	9	30

External input information (hexadecimal), RS-232C data (ASCII character), clear input information

	A	В	С	D	E	F
1	Date/Time	MAC Address	User name	RS-232C Data(ASCII)	External Input Information(Hexadecimal)	Clear Input Information
2	2019/1/17 13:58:20	xxxxxxxxxxxxxxx01	Machine1		0	0
3	2019/1/17 13:59:54	xxxxxxxxxxxxxxx01	Machine1	2019TESTDATA	0	0
4	2019/1/17 14:06:01	xxxxxxxxxxxxxxxx01	Machine1		8	0
5	2019/1/17 14:22:01	xxxxxxxxxxxxxxx01	Machine1		8	1

(2) Text

External input information (hexadecimal), RS-232C data (ASCII character), clear input information

Date/Time,MAC Address,User name,RS-232C Data(ASCII),External Input Information(Hexadecimal),Clear Input Information 2019/1/17 13:58:20,xxxxxxxxxxxxxx01,Machine1,,00,0 2019/1/17 13:59:54,xxxxxxxxxxxxx01,Machine1,"2019TESTDATA",00,0 2019/1/17 14:06:01,xxxxxxxxxxxx01,Machine1,,08,0 2019/1/17 14:22:01,xxxxxxxxxxxx01,Machine1,,08,1

CAUTION

- The Date/Time information in the CSV file is obtained form the date and time set on the computer used to run this product.
 - The CSV files for [counter value] are updated once per minute (may fluctuate depending on network status), and will not update every time there is a status change on the signal tower.
 - For RS-232C data (ASCII character), control codes (0x00 0x1F, 0x7F) are replaced with spaces (0x20).
 - For RS-232C data (ASCII character), data is enclosed in " " (double quotations).
 - RS-232C data column will be blank if there is no output data.

8.2.5 About creating and dividing CSV files

When are files greated?	When clicking [Start data collection].
	When the WDT recognizes a change in signal tower status.
When are files divided?	When conditions for file division is met, and the WDT recognizes a change in signal tower status.

For information on file names when creating and dividing files, refer to \bowtie section $\lceil 8.2.2~\text{CSV}$ file name] .

	 Even when conditions for file division are met, if the WDT does not recognize a change in signal tower status, a new CSV file will not be created. When files are split, the last line of signal tower information from the previous file is recorded at the beginning of the new file. While collecting data, do not open or delete the CSV file. Either make a copy of the file for use, or wait until data collection is complete. 					

8.2.6 Example of CSV file division

The following are examples of how files are named when divided.

(1) File creation method: Common

File division method	File creation method	File name example	
Divide by date	The dates in the file name change	patlog_auto2017_01_01.csv patlog_auto2017_01_02.csv	
Divide by time	When the date is the same, only the serial number changes	patlog_auto2017_01_01_0001.csv patlog_auto2017_01_01_0002.csv	
	When there is also a change in date, only the date changes	patlog_auto2017_01_01_0001.csv patlog_auto2017_01_02_0001.csv	
Divide by file size	When the date is the same, only the serial number changes	patlog_auto2017_01_01_0001.csv patlog_auto2017_01_01_0002.csv	
	When there is also a change in date, only the date changes	patlog_auto2017_01_01_0001.csv patlog_auto2017_01_02_0001.csv	
Do not divide	File is not divided	patlog_auto2017_01_01.csv	

(2) File creation method: Common (file name)

File division method	File creation method	File name example	
Divide by date			
Divide by time	Only the serial number changes	patlogOptionalName_0001.csv	
Divide by file size			
Do not divide	File is not divided	patlogOptionalName. csv	

(3) File creation method: Per WDR

File division method	File creation method	File name example
Divide by date	The dates in the file name date change	patlog_auto2017_01_01_R0000000000000001.csv patlog_auto2017_01_02_R00000000000000001.csv
Divide by time	When the date is the same, only the serial number changes	patlog_auto2017_01_01_R0000000000000001_0001.csv patlog_auto2017_01_01_R0000000000000001_0002.csv
	When there is also a change in date, only the date changes	patlog_auto <mark>2017_01_01_</mark> R0000000000000001_0001.csv patlog_auto <mark>2017_01_02_</mark> R0000000000000001_0001.csv
Divide by file size	When the date is the same, only the serial number changes	patlog_auto2017_01_01_R0000000000000001_0001.csv patlog_auto2017_01_01_R0000000000000001_0002.csv
	When there is also a change in date, only the date changes	patlog_auto <mark>2017_01_01_</mark> R0000000000000001_0001.csv patlog_auto <mark>2017_01_02_</mark> R0000000000000001_0001.csv
Do not divide	File is not divided	patlog_auto2017_01_01_R0000000000000001.csv

(4) File creation method: Per WDT

File division method	File creation method	File name example
Divide by date	The dates in the file name date change	patlog_auto2017_01_01_T0000000000000001.csv patlog_auto2017_01_02_T0000000000000001.csv
Divide by time	When the date is the same, only the serial number changes	patlog_auto2017_01_01_T0000000000000001_0001.csv patlog_auto2017_01_01_T0000000000000001_0002.csv
	When there is also a change in date, only the date changes	patlog_auto <mark>2017_01_01</mark> _T0000000000000001_0001.csv patlog_auto <u>2017_01_02</u> _T0000000000000001_0001.csv
Divide by file size	When the date is the same, only the serial number changes	patlog_auto2017_01_01_T0000000000000001_0001.csv patlog_auto2017_01_01_T0000000000000001_0002.csv
	When there is also a change in date, only the date changes	patlog_auto <mark>2017_01_01</mark> _T0000000000000001_0001.csv patlog_auto <mark>2017_01_02</mark> _T000000000000001_0001.csv
Do not divide	File is not divided	patlog_auto2017_01_01_T0000000000000001.csv

8.2.7 Signal Tower Information Output When Dividing Files

The following is an example when the [On dividing, output information] property is set to \square (output).

• When dividing files, at the end of the file to close and in the header of the file that is generated, the Signal Tower information of all WDT is added. This information includes all WDT (including no changes and not connected) that have been connected from the beginning to the end of data collection.



 The Signal Tower information when dividing files may include WDT Signal Tower information with different dates and times as it includes information that has not changed and information of WDT that are no longer connected.

9 Troubleshooting

9.1 Troubleshooting

If you have any questions about this product, please contact your nearest PATLITE Sales Representative.

Number	Issue		Che	ecklist	
01	Unable to install.	•	When installing this p are logged in with adu If you specify a folder the application will no	roduct, be sure that yo ministrator rights. without access privileo t start up.	u ges,
02	The application does not start.	•	Confirm the security a computer. After uninstalling, reir	and firewall settings of stall and reconfirm.	your
		 The language file may be corrupted. Quit and restart the program. If the issue persists, uninstall and reinstall the software. The fonts required to display the language may not be installed on your computer. Confirm that the fonts below are installed on your computer. 			
	The lenguage displayed is		Display language	Font]
0.2	English, even though I set a		Japanese	MS UI Gothic	1
03	different language from [Language settings].		English	Arial	1
			Simplified Chinese	SimSun	1
			Traditional Chinese	MingLiU	1
			Korean	BatangChe	1
			Thai	Tahoma	
			Indonesian	Arial	
			Spanish	Arial	
04	WDR is not recognized.	•	Confirm that the cable and that power is bein On the computer whe WDR, check the secu settings.	e is connected properly ng supplied. ere you are connecting urity settings and firewa	/, the all
05	The setting on the WDR IP address setting screen displays as "undefined", and the settings are not reflected.	•	Depending on the ver Explorer [®] , the screer Make sure Internet E is enabled.	rsion of your Internet n may not display prope xplorer [®] compatibility v	erly. /iew
06	I cannot view or edit WDR information in WDR settings.	•	Confirm that the cable and that power is bein On the computer whe WDR, check the secu settings.	e is connected properly ng supplied. ere you are connecting urity settings and firewa	/, the all

07	When data collection is activated, the license authentication screen displays and data collection will not start.	 A license is required to use the data collection function. Please purchase a license key.
08	In [WDT/WDR settings], no WDT units are displaying under [WDT list].	 Click the [Refresh WDT list] button and check again after the WDT list is updated. Confirm that the WDT is properly connected.
09	I cannot view or edit WDT information in WDT settings.	 Confirm that the WDT is connected properly, and that power is being supplied to the WDT.
10	I cannot generate CSV data, and cannot collect data.	 Confirm that the WDR and WDT are connected properly. Confirm that the WDR from which you want to collect data is properly selected. Confirm that the CSV file destination folder is not deleted, or that the folder name has not been changed.
11	WDT information is not recorded in CSV data.	 Confirm that the WDR and WDT are connected properly. Confirm that the power for WDT is on. If the WDT indicator light is red, there is a connection error.
12	The characters are garbled when reading CSV data with a third-party software.	 The CSV data is saved in Unicode (UTF-8) format. Read the CSV data with UTF-8 encoding.
13	I can only select [blue] in counter settings.	 When DIP switch 2 on WDT-4LR-Z2/ WDT-5LR-Z2/WDT-6LR-Z2 is ON, the setting is fixed to blue. To use a different color, set all DIP switches OFF. The simple counter function is not supported for WDT-4LR-Z2/WDT-5LR-Z2/ WDT-6LR-Z2 versions earlier than 3.06.
14	I do not see the yellow 'c' button that should be on the right side of the user name cell in [Collecting data - WDT information].	 The 'c' button does not display when the [Do not use] option is selected in [Counter settings]. The 'c' button does not display if the model of your connected device does not support counter value functions.
15	The counter value does not output to CSV.	 There will be no CSV output if [counter value] is not selected under [CSV file format] in [CSV file settings]. Subsequent counts are not collected after clicking [Exit]. The CSV files for [counter value] are updated once per minute (may fluctuate depending on network status), and will not update every time there is a status change on the signal tower.
16	The output CSV data does not match the CSV file format.	 Editing CSV file format settings after CSV file output will cause discrepancies in the output CSV content.

17	After clicking [Start data collection], the counter output value shows "0".	 When clicking [Start data collection], the counter value resets to 0. It is shown the next time the counter value is updated.
18	Value of WDT monitoring information is 0, but a different counter value is output.	 When the WDT-4LR-Z2/WDT-5LR-Z2/ WDT-6LR-Z2 unit is ON: There may be bad reception. Check the network status. When the WDT-4LR-Z2/WDT-5LR-Z2/ WDT-6LR-Z2 unit is OFF: The counter value from the previous session is retained until the unit turns back ON.
19	The CSV file's signal tower information is fixed as 0.	 The signal tower information defined in the counter settings is not sent, regardless of changes in status. For information, refer to section 9.1.1.5 in the "[WDT- LR-Z2/WDR-L(E)-Z2-PRO(-L) Instruction Manual] ".

9.2 Error messages

Number	Message	Checklist
01	It is already running.	 You cannot run multiple instances of this product. Exit the application before starting it again.
02	Application error has occurred.	 An error of unknown origin may have occurred. Close this product and try restarting.
03	Initialization failure occurred.	 An internal processing error may have occurred. Close and restart the program. If the error persists, re-install this software.
04	Error occurred in the exit process.	 This product may not have closed properly. If the error appears frequently, re-install this product.
05	Error occurred in setting the language.	 The language file may be damaged. Close this product and try restarting. If the error persists, re-install this software.
06	Failed to establish WDR connection.	 Confirm that the WDR is connected properly.
07	Unable to identify COM port.	 Confirm that the WDR is recognized by the computer.
08	Failed to coordinate with WDT.	 Communication with the WDT may not have completed properly. Try running the command again.
09	Error occurred in setting the WDR.	 Communication with the WDR may not have completed properly. Try running the command again.
10	Failed to get WDT information.	 Communication with the WDT may not have completed properly. Try running the command again.
11	Error occurred in setting the WDT.	 Communication with the WDT may not have completed properly. Try running the command again.
12	Failed to get operation setting data.	 Internal data may be corrupted. Restart this product, and if the error persists, re-install this software.
13	Failed to import operation setting data.	 The defined file may be corrupted. Select a valid file (.wds).
14	Failed to export operation setting data.	 The export destination may not have been selected properly. Confirm that external media, system administration folders, or other protected folders have not been selected.

Number	Message	Checklist
15	Some of the operation settings are incomplete.	 Operation settings are not set up correctly. Try running setup again. Refer to Section 6.2.8.
16	Failed to save operation setting data.	 Internal data may be corrupted. Restart this product, and if the error persists, re-install this software.
17	Failed to import .init file.	 The defined file may be corrupted. Select a valid file (.init). The .init file may have duplicated MAC addresses. Remove any duplicated MAC addresses from the file.
18	Failed to save output data.	 The CSV file destination folder may not be selected properly or the defined folder may not exist. Confirm the CSV file destination. Confirm that external media or system administration folders have not been selected.

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