Web Wing WL RTR-5W

User's Manual

Thank you for purchasing our product.
Carefully read this instruction manual-
before using this unit.

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■ Notices about this User's Manual

In order to properly use this product, please carefully read this manual before using.

T&D Corporation accepts no responsibility for any malfunction of and/or trouble with this product or with your computer that is caused by the improper handling of this product and will deem such trouble or malfunction as falling outside the conditions for free repair outlined in the attached warranty.

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-Specifications, design and other contents outlined in this manual are subject to change without notice.

-On screen messages in this manual may vary slightly from the actual messages.

Please notify the shop where you purchased this product or T&D Corporation of any mistakes, errors or unclear explanations in this manual.

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-This product has been designed for private or industrial use only. It is not for use in situations where strict safety precautions are necessary such as in connection with medical equipment, whether directly or indirectly.

-We are not responsible for any malfunction or trouble caused by the use of our product or by any problem caused by the use of measurement results of our unit. Please be fully aware of this before using our product.

-Some of our products, which come under the category of strategic goods in foreign trade law, need the permission of the Japanese government to be exported outside of Japan.

-Please read the warranty and provisions for free repair carefully.

Software User's Agreement

■ Escape Clauses

-T and D Corporation does not guarantee the operation of ThermoRecorder for Windows

-T and D Corporation shall not accept any responsibility for any damage whether direct or indirect that results from the usage of ThermoRecorder for Windows.

-Specifications of ThermoRecorder for Windows may be subject to change and service may be terminated without advance notice to the user. In such a case, T&D Corporation shall not be responsible for any damages, whether direct or indirect, from the inability to use RTR-5W for Windows.

-T and D Corporation has no obligation to correct any defects found in Thermo Recorder for Windows.

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-All copyrights for RTR-5W for Windows, including all of the programs and all related documents, are the sole property of T and D Corporation

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-Please do not attempt to make any changes or modifications to RTR-5W for Windows.

*RTR-5W consists of the following applications: [RTR-5W for Windows], [Network Settings Utility], [Temperature /Humidity Graph], [Multi-Scale Graph], [Event Viewer] and [RTR-5W web Viewer]

Safety Precautions and Instructions

To ensure safety be sure to obey all of the following warnings.

The following items should be strictly obeyed for the safe usage of this unit, and for protecting yourself and other people from bodily harm and/or damage to property.Before using make sure to carefully read, understand and follow the safety rules and precautions for our products as outlined below.

■ Explanation of Symbols

Explanation of Warning Symbols

⚠ Warning	These entries are actions that absolutely under no circumstance should be taken. The taking of such an action may cause serious personal physical damage or death.
⚠ Caution	These entries are actions that if taken may lead to physical injury or damage to persons or things.

Explanation of Picture Symbols

	Denotes an important warning or caution. Inside or near the symbol will appear another symbol giving details.
	Denotes a forbidden action. Inside or near the symbol will appear another symbol giving details.
	Denotes an action that you must take. Inside or near the symbol will appear another symbol giving details.(Ex: Unplug power plug from outlet)

⚠ Warnig

Do not take apart, repair or modify the main unit.

This may cause fire or electrocution.

When installing and using this product, make sure to follow all warnings and directions from your computer manufacturer.

Be careful of igniting fire.

If water or a foreign body enters into this unit, immediately unplug the AC adaptor and stop using.

Continued use may cause fire or electrocution.

Do not use this unit in wet or humid places, such as a bathroom.

It may cause a fire or other trouble including malfunction.

Store main units, AC adaptors, and LAN cables out of the reach of children.

Touching them may result in injury and it is dangerous if they are dropped.

If any smoke or strange smells are emitted from the unit, immediately pull out the AC adaptor and cease using it.

Continued use may cause fire or electrocution.

Do not drop the unit, or expose the unit to a strong impact. If that happens, immediately unplug the AC adaptor and stop using it.

Continued use may cause fire or electrocution.

Make sure to periodically remove dust and dirt from the AC adaptor plug.

If dust is allowed to accumulate on the plug, moisture may cause poor insulation and result in fire.

Do not unplug the AC adaptor with wet hands.

This may cause electrocution.

⚠ Caution

We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.Please be fully aware of this before using our product.

This product has been designed for private or industrial use only. It is not for use in situations where strict safety precautions are necessary such as in connection with medical equipment, whether directly or indirectly.

This unit is not waterproof.

If the unit gets dirty, wipe it with a clean cloth dipped in alcohol.

Harmful gases or chemicals may cause corrosion and/or other danger to the unit.Also, by coming in contact with hazardous substances, harm may occur to the people handling the unit. Therefore, do not use in any environment that is exposed to chemicals and harmful gases.

Make sure that the LAN cable and AC adaptor are inserted fully, so as not to cause an improper connection.

Condensation may occur if the unit is moved from one environment to another where the difference in temperature is great. Use the unit in an environment where the ambient temperature is from 0 to 50℃ and the humidity is between 20% and 80％ RH (no condensation).

If you are using a Wireless LAN card, please follow all instructions included with the card.

Please do not insert your fingers or any foreign objects into the connection jacks.

To prevent damage to the unit from static electricity, remove static electricity from your body by touching metal around you (door knob, window frame) before touching the unit.

Static electricity may cause not only damage to the unit, but may cause breaks in or a loss of data.

Do not put anything on top of the AC adaptor.
This may cause overheating.

Also, when unplugging the LAN cable from the main unit, do not pull the cord, but hold the connector to disconnect.

Do not use or store the unit in places such as listed below:

Doing so may cause electrocution, fire and/or other adverse effects to the device and/or your computer.

- Areas exposed to direct sunlight
This will cause the inside of the device to become overheated and may cause fire, deformation, and/or other damage including malfunction.

- Areas prone to strong magnetic fields
This may cause damage including malfunction.

- Areas exposed to water leakage
This may cause electrocution or other damage including malfunction.

- Areas exposed to excessive vibration
This may cause injury, malfunction, damage or loss of proper electrical contact.

-Areas that are not flat or level
This may cause the unit to fall and result in injury and / or damage.

-Areas near fire or exposed to excessive heat
This may cause damage including malfunction and deformation.

-Areas prone to smoke, dust and dirt

This may cause damage including malfunction.

⚠ Wireless Regulations

This device complies with part 15 of the Federal Communications Commision (FCC) rules. Operation is subject to the following conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residentional area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with RSS-210 of the Industry Canada (IC). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

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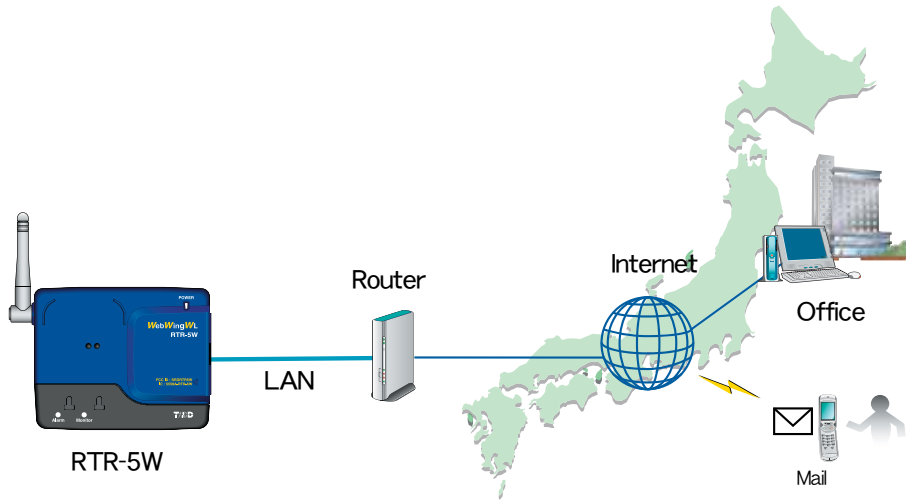
What is Web Wing WL RTR-5W ?

The RTR-5W not only serves as a base station for the wireless downloading of recorded data from our compact waterproof Wireless Communication RTR-5 Series Data Loggers, but, moreover, the [Web Wing WL RTR-5W] serves as a network base station that allows you to monitor and view current readings and gather recorded data via LAN or Internet connection.



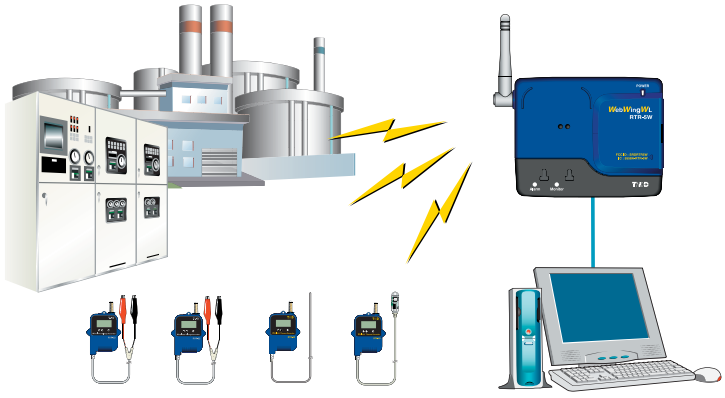
■ Examples of Usage

-Recording measurements taken from various measuring instruments such as flow meters, power meters, and analyzers.

-Data recording of moving objects and rotating objects on a production line.

-Temperature an humidity management in high humidity environments such as brewing and crop cultivation.

-Measurement in places where wiring is difficult or impossible.



*The RTR-5W is designed solely for network communication.It does not include any RS-232 or USB communication interface. To make use of this product you must connect it to a network.Moreover, in order to use this product via the Internet you will need other devices (such as a router) and must first make necessary arrangements with a provider for a line and get a fixed IP address, domain, etc....

*When making settings in an RTR-5W without any settings already made (when purchased or after resetting), it is necessary to carry out these settings using a wired LAN connection. After having made all the necessary settings via the wired connection, it is possible to use a wireless LAN connection.

■ Basic Functions

Gathering and Managing Remote Unit Data via a Network

The RTR-5W is able to gather via wireless communication the measured and recorded data from any RTR-5x Series Data Logger and using a Local Area Network (LAN) or Internet connection makes it possible to view current readings and / or download the gathered recorded data.

With the internal WEB Server, use a browser to check current readings and view in simple graph form

Because the RTR-5W is designed with a built-in WEB server, it can be accessed directly from your Internet browser.Via the browser you can check the current readings of any Remote Unit that has been registered and view the recorded data in the Remote in a simplified graph form.

Connect to a Wireless LAN via CF Card

The RTR-5W is designed with a CF card slot.By inserting a wireless LAN card in this CF card slot, it is possible to connect to a Wireless LAN; releasing you from the burden of cables and wiring.

*For information and updates concerning which wireless LAN cards can be used please see our Homepage.

Internet Connection allows for Public Access to Data

The built-in WEB server gives you the option of putting your data on the Internet for public access.

Also the by using the Internet connection you can escape the boundaries of the Local Area Network and gain the freedom to manage and collect data from anywhere where the Internet is available; a low-cost alternative to having to be in the local area.

View Current Readings via Cell Phone

It is also possible to use your cell phone browser to view current readings.

Set Upper / Lower Limits and Send Warning Report E-Mail

By making upper and lower limit settings for the RTR-5W, when one of the set upper or lower limits has been exceeded, a warning report mail can be sent via e-mail.

*To make use of the warning report e-mail send function, it is necessary to be create an environment in order to connect to the Internet or to an in-company (in-house) SMTP/POP server.

When a warning occurs it is possible to use contact output

When a set upper or lower limit has been exceeded, it is possible not only to send a warning report via e-mail, but it is also possible to use the provided contact output on the main unit to issue a warning within a structured warning system.

■ Basic Functions of RTR-5W for Windows

The software is made up of the following 5 applications: [Network Settings Utility], [RTR-5W for Windows], [Temperature /Humidity Graph], [Multi-Scale Graph] and [Event Viewer]. Also, by using your web browser to access RTR-5W, it is possible to view data via the Internet.

**Only compatible with Internet Explorer Ver.6 or higher using Windows 2000 / XP*

【Network Settings Utility】

Make the necessary network settings for RTR-5W.

Network Initialization Settings

Settings for helping to connect a RTR-5W to a network.

Detailed Network Settings

Make detailed Network settings here.

【RTR-5W for Windows】

Make all necessary settings in order to communicate with RTR-51/52/53、RVR-52AA Data Loggers via the RTR-5W Base Station.For each RTR-5W it is possible to create one tree, and in that tree register Remote Units for communication.

Remote Registration

Register any logger in the RTR-5 Series as a Remote Unit; also possible to register in Groups for easy management.

Recording Settings

By setting the recording interval, the recording start time and the recording mode, recording will begin at the set date and time.

Downloading Recorded Data

Download recorded data from the RTR-5W to a computer and create files.

Also, by making Auto-Download settings, it is possible to gather from Remote Units at a set interval of time or at a set time of day.

Warning Monitoring

If a measurement exceeds the set limit, a notification can be sent via e-mail from the RTR-5W to your computer or cellular phone.Also, because there is a built-in external output terminal, it is possible to connect to an external device, such an alarm or light, so that a notification of a warning can be seen or heard onsite.

Gathering Current Data

Gather and view current measurement readings from the selected Remote Unit(s).

Transfer Data

The RTR-5W retrieves and stores data at a set regular interval.This stored data is transferred for display.

【Temperature / Humidity Graph】/【Multi-Scale Graph】

Temperature and Humidity are displayed in the Temperature and Humidity Graph In the Multi-Scale Graph, voltage, pulse, temperature and humidity data can be viewed in Graph form.

In Multi-Scale Graph, it is possible to make settings for scale and unit of measurement to match the type of date being downloaded.

View Graphs and Print

It is possible to view the downloaded data as a list and print.

■ View 8 channels of data in 1 display

Up to 8 channels of recorded data can be viewed in the same graph at one time.

■ Easy zoom in and out with mouse

By selecting a range with your mouse you can easily zoom in and out on data.

■ Calculate and view the highest, lowest and average readings for a desired range

In the Graph, for each channel it is possible to designate a desired range from which the highest, lowest and average readings will be calculated and displayed.

■ Graph Printing

It is possible to easily print in color the Graph as it is being displayed.

View and Print Data List

You can view the data displayed in the graph window as a list and then choose to print.

■ View in Easy to Distinguish Colors

In the data list, the highest value will appear in red, the lowest in blue, and the average in pink.

■ Printing the Data List

It is possible to print the entire list as displayed or to select pages for printing.

Creating Text File

It is possible to convert the data for a specified range (time period) to common text file format (CSV type format), so that it can be exported to spreadsheet software such as Excel or Lotus.

【Event Viewer】

View and print Event data recorded with the RVR-52A Data Logger.

View List

Up to 64 channels of downloaded data can be viewed in one list.

Print Preview and Print

Printing can be carried out after checking the preview window.

Creating Text File

It is possible to convert the data for a specified range (time period) to common text file format (CSV type format), so that it can be exported to spreadsheet software such as Excel or Lotus.

【RTR-5W Web Viewer】

Use your browser to monitor current readings and view data graphs.

Monitor Current Readings

The RTR-5W communicates with Remote Units at a set regular interval and then stores the gathered readings. The most recent measurement will be displayed.

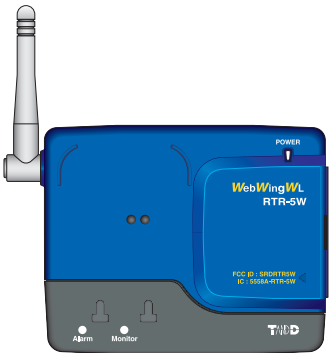
It is also possible to view via a cell phone browser.

Graph

The graph displayed in the browser will be the same graph that is shown upon opening [Transfer Data] in [RTR-5W for Windows].

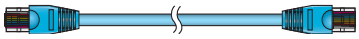
Package Contents

The following items are included in the package:

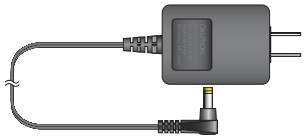


Web Wing WL RTR-5W
x 1 unit

Software CD-ROM x 1



LAN Cable LN-20W x 1



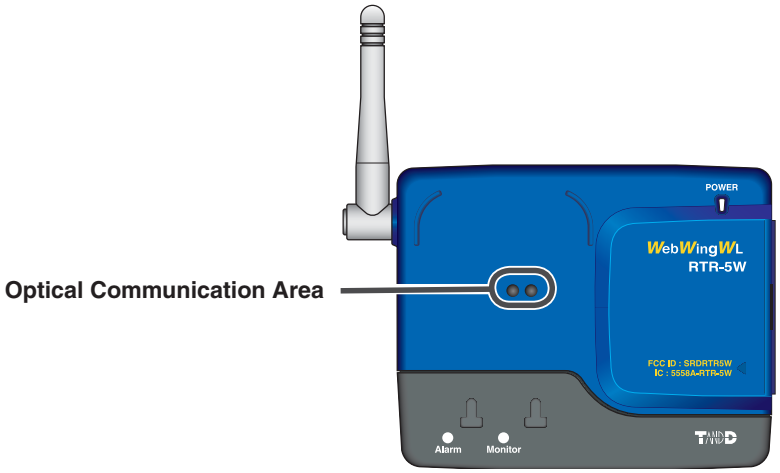
AC Adaptor AD-0605 x 1

Introductory Guide and
Warranty x 1

RTR-5W Part Names and Functions

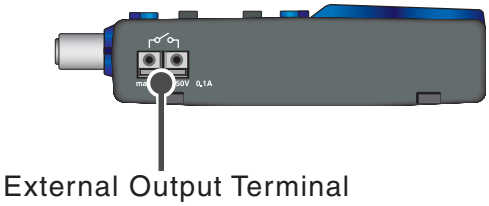
■ Part Names

〔FRONT〕



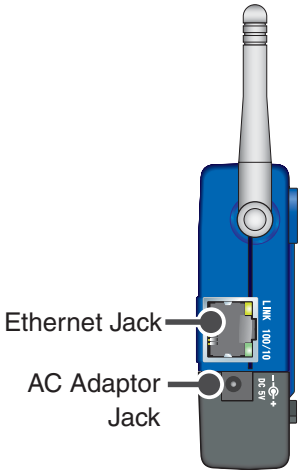
POWER LED	While the power is ON, the lamp will be on.
Alarm LED	When a warning occurs, the lamp will blink.
Monitor LED	While wireless communication is occurring with a Remote Unit, the lamp will blink.
Optical ommunication Area	When you wish to communicate directly, not by wireless, with a data logger (Remote Unit), it is necessary to place the logger (Remote Unit) face down on this area for communication to occur.

〔Bottom〕

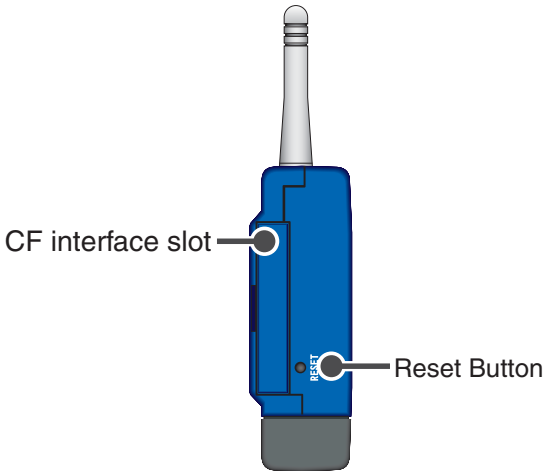


External Output Terminal	Connect to an alarm buzzer or light to notify locally of the occurrence of a warning. [Conditions for Output to be switched ON]It switches to ON when a warning is received from at least one Remote Unit.

〔LEFT SIDE〕



〔RIGHT SIDE〕



Ethernet Jack	10Base-T/100Base-TX Ethernet ConnectorConnect with LAN Cable
AC Adaptor Jack	Connect using the supplied AC adaptor
CF Interface Slot	Insert a Wireless LAN Card ※ 1 NOTE: Do not insert or try to connect anything other than a CF communication card
RESET Button	Press to return to the factory default settings

**1：For information and updates concerning which wireless LAN cards can be used please see our Homepage.*

Outline of Use

■ Basic Operation

【Getting Ready】

1.Prepare the Data Loggers you wish to use as Remote Units.

Get the units ready for measuring by connecting the proper sensors and installing the proper batteries.

2.Getting the RTR-5W Ready to Use

Get the unit ready for communication by connecting the network cable and AC adaptor.

3.Checking your Operating Environment

You also need to check your computer and network setup and be sure to prepare any necessary devices like routers to enable connection to your access point

4.Connecting to a Network

Connect the RTR-5W to the desired network.

See p. 19-20 for connection examples of how to connect directly to your computer or use a router.

*Even if you are planning to use a wireless LAN, it is necessary to make the initial settings via a wired connection.

5.Install [RTR-5W for Windows]

To enable set up, install the supplied software [RTR-5W for Windows] into your computer.

By installing RTR-5W, all of the following applications will be installed: [RTR-5W for Windows] for setting up Remote Units, making recording settings and other operational settings, [Network Settings Utility] for making network settings, and [Temperature /Humidity Graph], [Multi-Scale Graph], [Event Viewer] for viewing various types of recorded data.

【Initialization Settings】

1.Network Initialization Settings …from the Network Settings Utility

To connect to a network, it is necessary to enter an IP address and Subnet Mask that are appropriate for your network. Under Network Initialization Settings make the appropriate settings for your “IP address” and “Subnet Mask”. More detailed settings can be made in [Detailed Network Settings]

2.Remote Unit Registration… from RTR-5W for Windows

In order to carry out wireless communication between an RTR-5W base station and a Remote Unit, please register Data Loggers as Remote Units as follows

1. Create a Location
2. Create Group(s)
3. Register Remote Unit(s)

Up to 64 Remote Units can be registered to one Location.

【Basic Operations】

1. Recording Settings… from RTR-5W for Windows

By setting the Recording Interval, the Recording Start Date / Time and the Recording Mode, recording will begin at the set date and time.

2. Download Data …from RTR-5W for Windows

Data recorded in the Remote Unit will be downloaded and saved in your computer as a data file. Downloaded temperature and humidity data can be viewed in [Temp /Humidity Graph], downloaded Voltage, Pulse and Temp / Humidity data can be viewed in [Multi-scale Graph] and downloaded Event data can be viewed using [Event Viewer].

【Graph Display】

Temp / Humidity Graph

Temperature and Humidity data can be displayed in the same Temperature and Humidity Graph (Up to 8 channels of data)
You can view the data displayed in the graph window as a list and also choose to print. It is also possible to convert the data to common text file format (CSV type format).

Multi-scale Graph

In the Multi-Scale Graph, voltage, pulse, temperature and humidity data can be viewed in the same Graph. (Up to 8 channels of data)
You can view the data displayed in the graph window as a list also choose to print. It is also possible to convert the data to common text file format (CSV type format).

Event Viewer

The Event Viewer allows you to add and view up to 64 channels of downloaded Event Time data recorded with the RVR-52A.
Select the channels of data you wish to print from the channels displayed in the Event Viewer; view them in the Print Preview, and Print(Up to 4 channels can be selected at one time)
It is also possible to convert the data to common text file format (CSV type format).

【Other Functions】

Warning Monitoring Settings··· from RTR-5W for Windows

Monitoring at each Location for warnings is carried out and if any of the gathered data exceeds the set limit, a notification can be sent via e-mail to your computer or cellular phone.Also, because there is a built-in external output terminal, it is possible to connect to an external device, such an alarm or light, so that a notification of a warning can be seen or heard onsite.
If the RTR-5W is not connected to the Internet, warning report e-mail cannot be sent.

Auto Download Settings ···from RTR-5W for Windows

The downloading of data can be set to be automatically carried out at a specified time or at a set interval of time.
For Auto download to occur at a set time, it is necessary for RTR-5W for Windows to be open.

Gather Current Data···from RTR-5W for Windows

RTR-5W communicates with Remote Units to gather and display the current measurement readings.Also, by setting a communication interval, the current readings will be continuously gathered and displayed at that interval.
If you are using RVR-52A to record Pulse Data, the current reading will be displayed as the average of recorded readings during the set recording interval. If you are recording the time of an Event, the current reading will show HI or LO (Rising Edge or Falling Edge.)

Transfer Data··· from RTR-5W for Windows

The RTR-5W retrieves and stores data at a regular interval set in [Location (RTR-5W) Properties].This stored data is transferred and displayed for each Remote Unit.
* Event Data recorded with RVR-52A cannot be viewed in this manner.

Monitor Current Readings···RTR-5W Web Viewer

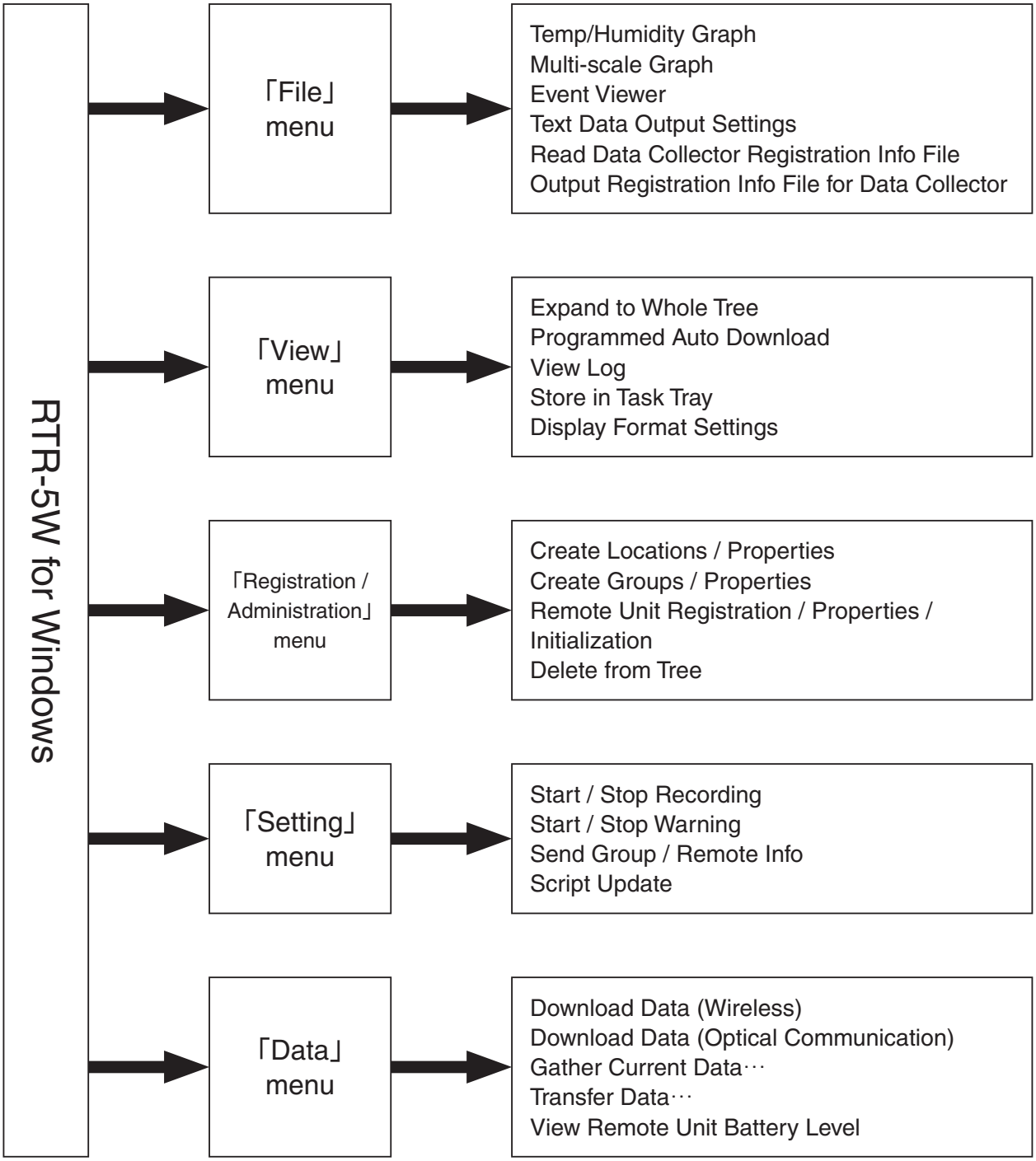
The RTR-5W retrieves and stores data at a regular interval set in [Location (RTR-5W) Properties].The most recent measurement reading(s) can be viewed in the browser.

Graph···RTR-5W Web Viewer

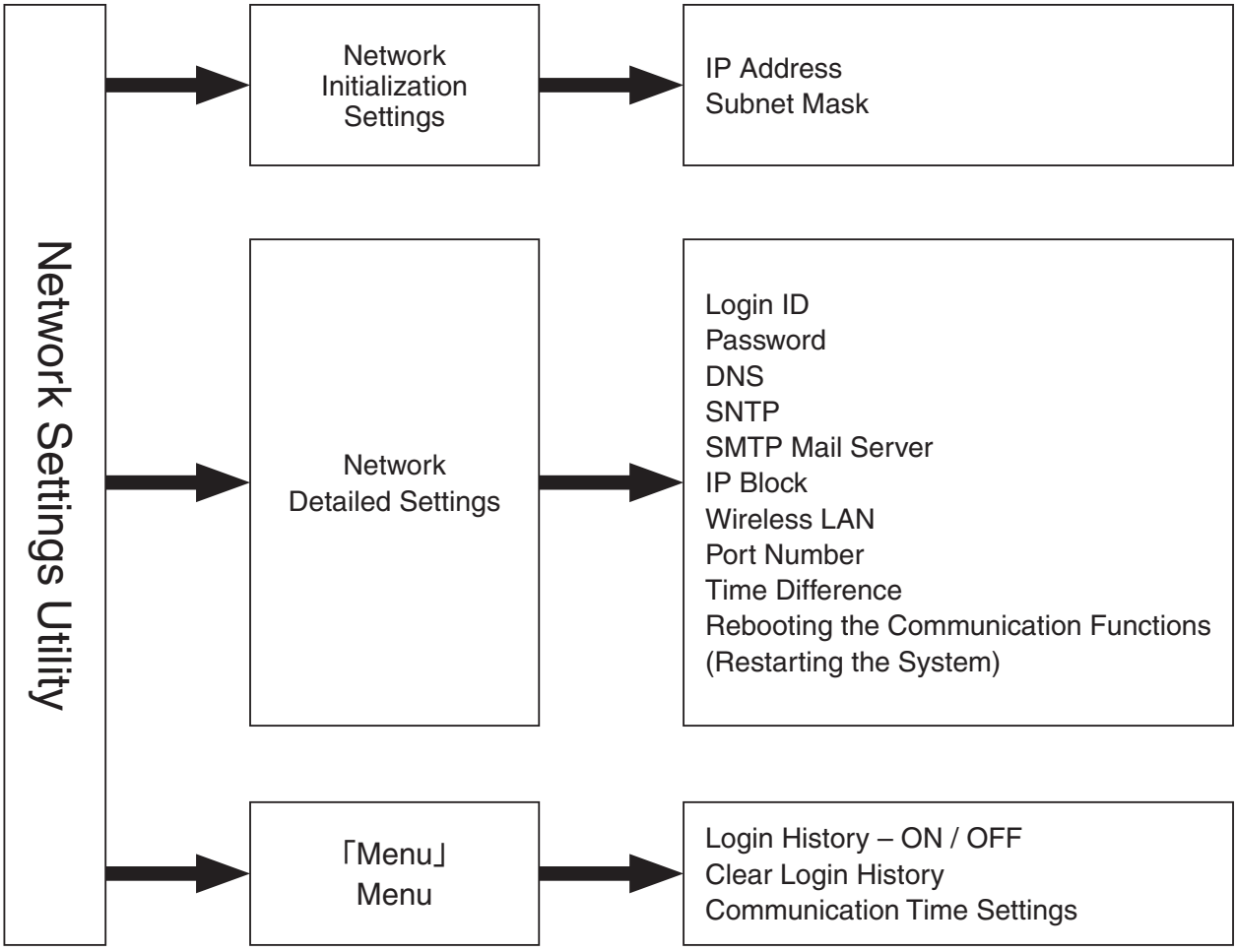
The graph displayed in the browser will be the same graph that is shown upon opening [Transfer Data] in [RTR-5W for Windows]

■ Software Operations Table

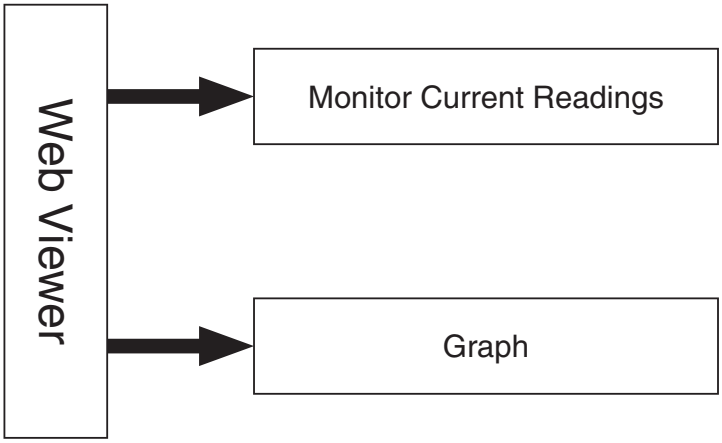
【RTR-5W for Windows】



【Network Settings Utility】



【RTR-5W Web Viewer】



Getting the RTR-5W Ready to Use

■ Connect the supplied AC adaptor

*To ensure a proper connection make sure that the plug is completely inserted

NOTE:

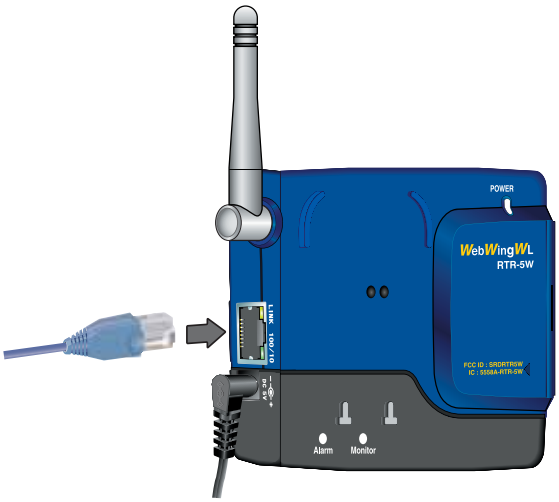
- Do not use an AC adaptor other than the one that is supplied with the product. Doing so may cause fire or other trouble.

- Insert the AC adaptor plug into an AC 100V socket. Inserting the plug into a socket with different voltage may cause fire or other trouble.

- Do not insert or pull out the AC adaptor plug with wet hands or if there are water drops on the plug; it may cause electrocution.

■ Connect the supplied LAN cable

* To ensure a proper connection make sure that the connector is completely inserted.



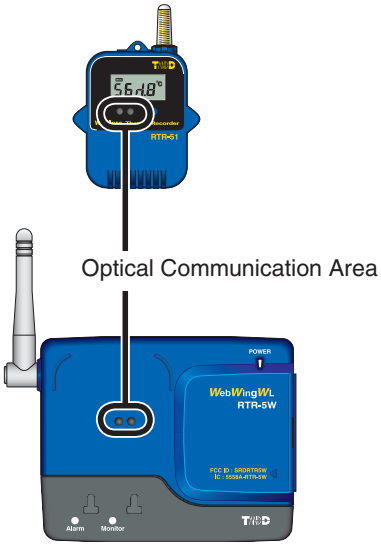
Communicating with the Data Logger

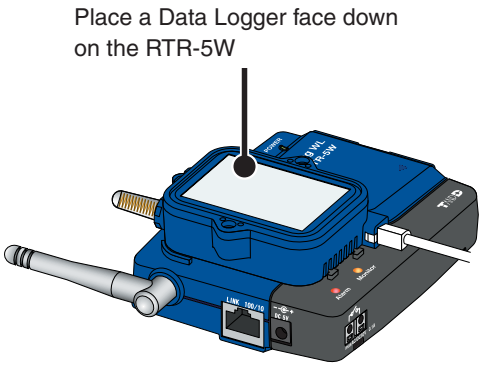
It is possible to communicate between an RTR-5W base station and Data Loggers RTR-51/52/53・RVR-52A by two methods: [Wireless Communication] and [Optical Communication].

■ Communicating with a Data Logger via Optical Communication

Optical communication can be carried out by placing an RTR-51/52/53 or RVR-52A Data Logger face down on the RTR-5W so that the optical communication areas meet.

**To make measuring mode changes in an RVR-52A, use via optical communication when registering a Remote Unit.*

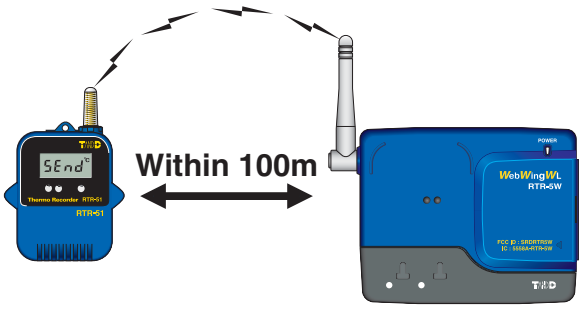




■ Communicating with a Data Logger via Wireless Communication

Communication is carried out with the RTR-51/52/53・RVR-52A Data Loggers via special short wave wireless communication

In order to carry out Wireless Communication, use the supplied software [RTR-5W for Windows] to register the Data Loggers as Remote Units of the RTR-5W Base Station.



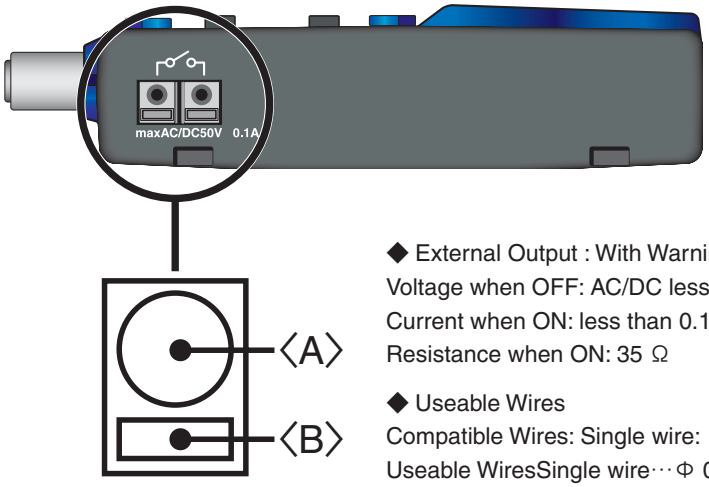
**The wireless communication range, if unobstructed and direct, is about 100 meters [330 ft].*

External Output

■ Connecting the Signal Wire

1. Prepare a Φ 0.5 ～ 0.9 single type wire and remove the covering to about 10mm from the tip.

2. Using a screwdriver or other such tool, while pressing down on the terminal button <B> at the back of the unit, insert the wire into the hole <A>.



《Enlarged view of Wire Connection Terminal 》

◆ External Output : With Warning ON
Voltage when OFF: AC/DC less than 50V
Current when ON: less than 0.1A
Resistance when ON: 35 Ω

◆ Useable Wires
Compatible Wires: Single wire: Φ 1.0(AWG18) / Twisted wire: 0.75mm2
Useable WiresSingle wire···Φ 0.4 ～Φ 1.0(AWG26 ～ 18)
Twisted wire···0.3mm2 ～ 0.75mm2(AWG22 ～ 20)
Cable core diameter···Φ 0.18
Standard Stripping Length 0.39in
Compatible Connector Tool: Screwdriver (Shaft: Φ 0.3 / Blade Tip Width: 2.6)

■ Removing an Input Signal Wire

If you wish to remove an input signal wire, press down on the <B> button with a screwdriver and pull out the wire.

NOTE:

Please be careful when pulling out the wire.

Checking your Operating Environment

To properly use the logger, the following operational environment is necessary.

■ PC Operating Environment

OS	OS Microsoft Windows 2000 Microsoft Windows *For installation, it is necessary to have Administrator (Computer Administrator) rights.
PC ／ CPU	A Stable Windows Operating Environment LAN TCP/IP Communication Possible
Memory	Enough memory to stably operate Windows
Hard Disk	More than 10 MB of free space (Data will need more space)
Monitor	SVGA (higher than 800×600 recommended) more than 256 colors
LAN	100BASE-TX or 10BASE-T Twisted pair cable confirming to Category 5（STP/UTP）
Web Browser	Internet Explorer 6.0 or higher

■ Using a LAN

Connect the provided LAN cable to the HUB that is connected to your computer.

■ Connecting Directly to a PC

Connect the RTR-5W to your computer with a LAN cross cable.

*LAN cross (reverse) cables are not included with the product. Please purchase separately.

■ Using a Wireless LAN

Please use a Wireless LAN card and a Wireless LAN access point (Combined Wireless LAN and Hub OK).

■ Using the Internet

In order to connect to the Internet, you must first make arrangements with a provider for a line.

It may also be necessary to get an IP address or domain and make domain name server and other settings.

For more details about various settings, it is best, if present, to contact the network administrator. To get more details about your Internet connection and setup, please contact your provider.

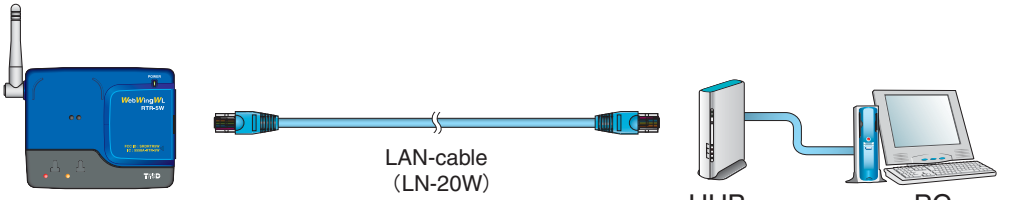
Connecting to a Network

The following are some ways to connect an RTR-5W to a network. Please select the connection method that suits your network environment.

■ Connecting to a HUB for in-company Communication

**To ensure a proper connection make sure that the plug is completely inserted*

Connection Example



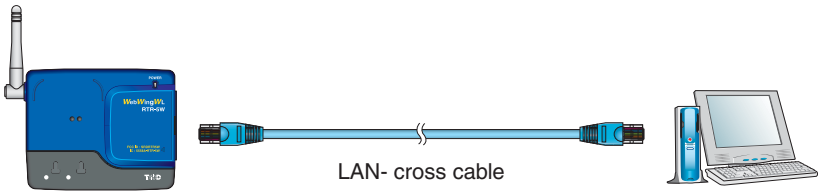
RTR-5W
(192.168.1.20)

■ Connecting Directly to PC for Communication

Do not use the supplied cable; please purchase a cross LAN cable separately.

**To ensure a proper connection make sure that the plug is completely inserted*

Connection Example



RTR-5W
(192.168.1.20)

■ Connecting to a Wireless LAN

By inserting a Wireless LAN card into the RTR-5W, it is possible to carry out communication in places where LAN wiring is difficult or troublesome.

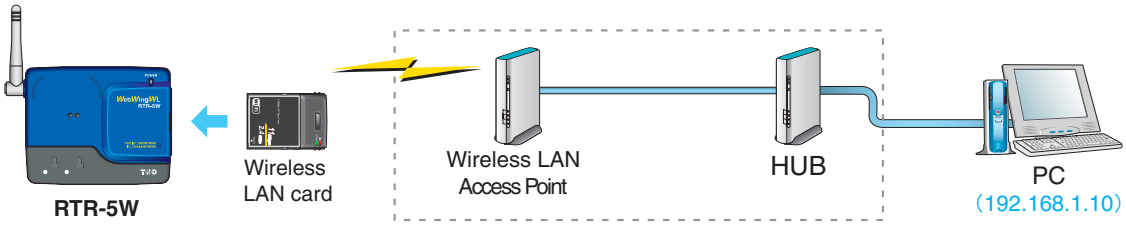
**To ensure a proper connection make sure that the plug is completely inserted*

NOTE:

- Before you insert or take out the LAN card, make sure that the AC adaptor is unplugged.

- For information and updates concerning which wireless LAN cards can be used please see our Homepage.

Connection Example



Connecting to the Internet

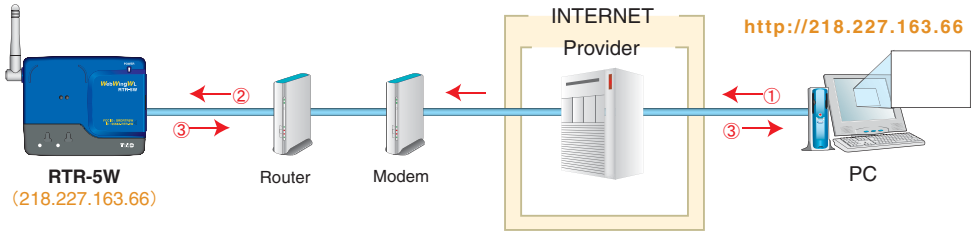
In order to connect the RTR-5W to the Internet you must first set up an Internet connection environment by making arrangements with a provider for a line and get a global IP address and domain. Also, if necessary, make all domain name server and / or router settings.

For more details about various settings, it is best, if present, to contact the network administrator. To get more details about a global IP address and domain, please contact your provider.

The following are examples of connection methods. Please select the connection method that suits your network environment.

【Connection Example 】

■ Using the RTR-5W on the Internet

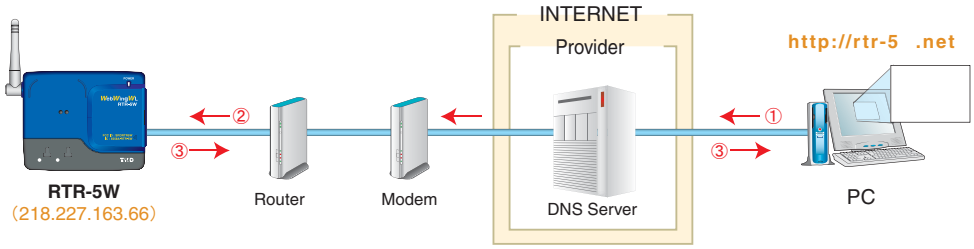


① In order to access the RTR-5W from your browser, enter the Global IP address that has been assigned to the RTR-5W in your browser's URL bar following [http://]

② The RTR-5W will be called via a router or the Internet provider .

③ The RTR-5W which received the access request will return data to the computer which sent the access request.

■ Using a Domain Name (ex: rtr-5w.net)



① In order to access the RTR-5W from your browser, enter the Domain Name (Ex rtr-5w.net)that has been assigned to the RTR-5W in your browser's URL bar following [http://].

② The Domain Name that was entered in the URL bar is converted by the DNS server into an IP address and the RTR-5W is called.

③ The RTR-5W which received the access request will return data to the computer which sent the access request.