

Battery Charge Dock for RTR-600 Series

RTR-600BD User's Manual

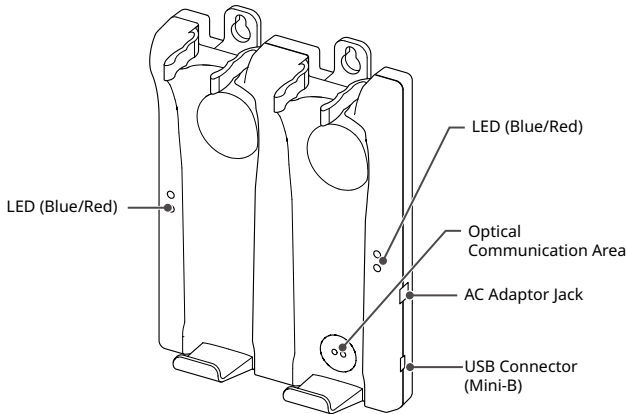
RTR-600BD is the battery charger dock for the RTR-600 Series data loggers. It also acts as a USB communication interface dock between the RTR-600 Series and PC for device registration and setup.

- RTR-600BD is referred to as simply the "dock" in this document.
- RTR-602 and RTR-601 are referred to as "RTR-600 Series", "Remote Unit(s)", or simply as "data logger(s)" or "logger(s)".

Accessories Included in Package

- AC Adaptor (AD-05A3)
- Wall Mount Screws (x 3)
- USB Cable (US-15C)
- Manual Set (Warranty Included)

RTR-600BD Part Names



RTR-600BD Specifications

Compatible Devices	RTR-600 Series (*1): RTR-602S / 602L / 602ES / 602EL, RTR-601-110 / 601-130 / 601-E10 / 601-E30
Power	AC Adaptor (AD-05A3)
Input Voltage	5V 2A
Communication Interface	USB / Optical Communication (For Setup)
Charging Method	Electromagnetic Induction Type Non-Contact Charging System
Charging Time (*2)	Approx. 70 min.
Charging Current	700 mA (typical) per Remote Unit
Dimensions	H 198.3 mm × W 136 mm × D 56.6 mm (including protrusions)
Weight	Approx. 330 g
Operating Environment	Temperature: 0 to 40°C Humidity: 90%RH or less (no condensation)

*1: To use RTR-600 Series data loggers (Remote Units), it is necessary to have any of the compatible Base Units: RTR500BW, RTR-500NW, RTR-500AW, RTR500BC or RTR-500.

*2: This is the estimated time to complete a full charge after the battery charge warning message appears. If the body of the Remote Unit gets hot and battery charging temporarily stops, the charging time will be longer.

The specifications listed above are subject to change without notice.

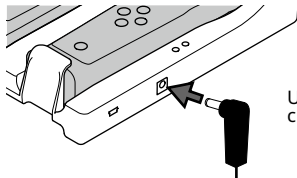
- ❗ Before placing the RTR-600 Series data logger into the dock, make sure the logger is not greasy or dirty as the dock is not waterproof and cannot be washed.

Use as a Battery Charger

- ❗ Make sure to charge the battery on a flat surface without vibration. Placing the dock on an unstable surface may result in injury or damage from falling.
- ❗ Battery cannot be charged by USB bus power. Make sure to use the AC adaptor.
- ❗ To mount the dock on a wall, firmly tighten the screws to prevent it from falling.

1. Connect the supplied AC adaptor to the dock.
2. Place the logger into the dock and charging will begin.

- Once the logger is recognized, the Blue LED on the dock will light up.
- Once charging begins properly, the Green LED on the logger will light up and the LCD display will turn off.
- Once charging has been completed, LEDs on both the dock and the logger(s) will turn off.



Up to two units can be charged at the same time.

❗ Please stop using in the following situations.

- The Red LED on the dock is ON:

If the dock recognizes an irregular electrical activity, it automatically stops charging and the Red LED will light up. Unplug the AC adaptor and check the following:

- (1) that there are no metallic objects between the dock and the logger(s), and
- (2) if the logger(s) are properly placed on the dock.

The Red LED on the dock may light up for just a moment due to power fluctuation. There is no problem unless the Red LED remains on.

- The Orange LED on the logger is BLINKING:

If the body of the logger gets too hot (over 40°C), the Orange LED will start blinking and battery charging will temporarily stop. Once the body cools down, charging will restart.

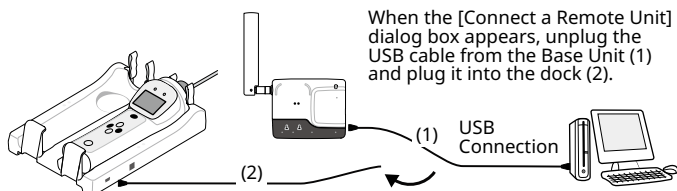
- If, after checking the above and resetting the logger several times, the Red LED on the dock remains on, please stop using the dock and contact your distributor.

Use for Remote Unit Registration

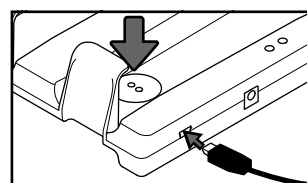
For details about registration and settings, refer to [RTR500BW + RTR-600 Setup Guide (PDF)] that is available for download from T&D Website.

tandd.com/manual/

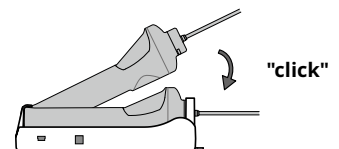
Download and install the software "RTR500BW for Windows" from T&D Website, and follow the directions as they appear to complete the registration and setup process.



- ❗ Place the logger into the right side (with Optical Communication Area) of the dock.



Make sure to push down on the logger until you hear a "click" sound.





Once the registration and setup are complete, make sure to remove the logger from the dock to avoid wireless communication failures due to battery charger noise.

Safety Precautions and Instructions




The following items should be strictly obeyed for the safe usage of this product, and for protecting yourself and other people from bodily harm and/or damage to property.




















Explanation of Symbols

Warning Symbols

 DANGER	Failure to follow the instructions with this symbol could cause serious injury or even death.
 CAUTION	Failure to follow the instructions with this symbol could cause personal injury or physical damage to equipment.

Picture Symbols

	Denotes an important warning or caution.
	Denotes a forbidden action.
	Denotes an action that should be carried out.

 DANGER	To Prevent Serious Accidents
	Do not place metal or other foreign objects on the unit. Doing so may cause heat or fire, which can lead to serious injury or damage.
	If you have a pacemaker, please consult your doctor before using this product. Also, when using this product, make sure that there is ample distance between the unit and the pacemaker. Electromagnetic waves can interfere with the operation of your pacemaker.
	Do not disassemble, repair or modify the unit and accessories.
	Do not use the unit in any environment that is exposed to chemicals and harmful gases. Doing so may cause corrosion and/or other danger to the unit. Also, coming in contact with hazardous substances may cause bodily harm to the user or people nearby.
	This product is not water resistant. Do not use the unit in any place exposed to liquids, such as water and oil, and/or areas with high humidity. If the unit gets wet, immediately unplug the AC adaptor and stop using.
	Do not handle the unit or the plug with wet hands.
	This product has been designed for private and/or industrial use only. It should not be used in situations where strict safety precautions are necessary such as with medical equipment, or in systems directly or indirectly connected with human life or well-being.
	Do not drop or expose the unit to a strong impact.
	Do not connect any communication cables connected to the unit to telephone line outlets. Continued use may cause fire or electrocution.
	Do not cut or process power cords or cables. Also, do not twist, pull or swing any of the cords or cables.
	To prevent damage to the unit from static electricity, remove static electricity from your body by touching metal around you (such as a door knob and window frame) before touching the unit.
	Place and store the unit and accessories out of the reach of children.
	Do not place the unit near precision equipment such as a magnetic cards, magnetic recording media, and/or watches. Electromagnetic waves can cause loss of or damage to your important data.
	Make sure to place the unit on a flat, stable surface during the charging process. Placing the unit on an unstable surface may result in injury or damage to the unit from falling.
	We are not responsible for any damage, malfunction or trouble, whether direct or indirect, caused by the use of our product.
	Do not use any power or cables other than those specified by T&D Corporation.
	Do not place objects on the unit. This may cause overheating.
	Do not disconnect the USB cable during USB communication. Doing so may cause adverse effects to the unit and/or PC.
	Make sure that power and cable plugs are inserted fully, so as not to cause an improper connection. Also, when unplugging the cable from the unit, do not pull the cord, but hold the connector to disconnect.
	If the unit produces heat, emits smoke or a strange smell, or makes unusual noises, immediately unplug the AC adaptor and stop using it. Also, disconnect the unit from the PC.

CAUTION Do not place or store in the following areas:

- Areas exposed to direct sunlight
- Areas subject to direct flames or heaters, as well as areas in which hot air accumulates and creates extremely high temperatures
- Areas exposed to static electricity
- Areas exposed to strong magnetic fields
- Areas exposed to dampness
- Areas subject to condensation or wet areas
- Unstable areas exposed to vibration
- Areas exposed to excessive smoke, dust or dirt.

CAUTION Other Precautions

- Use the unit in the specified operating environment. Do not use it for any purpose other than for which it was designed.
- When connecting the unit to your PC, make sure to follow all warnings and directions from your computer manufacturer.
- We shall not guarantee the unit's operation if it has been connected to a PC using a USB hub or a USB extension cable.
- Do not insert any foreign objects into any of the units' jacks.
- If the unit gets dirty, wipe it with a clean cloth.
- Make sure to remove dust and dirt from plugs of any cables.
- If charging the battery interferes with your TV or radio, move the unit at least one meter away and try charging again.

Important Notices and Disclaimers

In order to properly use this product, please carefully read all attached documents before using.

- All rights of the attached documents belong to T&D Corporation. It is prohibited to use, duplicate and/or arrange a part or whole of the attached documents without the permission of T&D Corporation.
- All registered trademarks, company names, product names and logos mentioned herein or for products being used are the property of T&D Corporation or of their respective owners.
- Specifications, design and other contents outlined in the attached documents are subject to change without notice.
- Please follow the safety precautions outlined in the attached documents carefully. We cannot guarantee nor are we responsible for safety if this product is used in any manner other than was intended.
- On-screen messages in the attached documents 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 the attached documents.
T&D Corporation accepts no responsibility for any damage or loss of income caused by the use of our product.
- Accompanying documents cannot be reissued, so please keep them in a safe place.
- Please read the warranty and provisions for free repair carefully.

For product information or questions contact us at:

For product inquiries, please contact your local distributor. Visit T&D Website for the distributors list. If you can not find a distributor in your area, please contact our main office in Japan or one of our branch offices in Europe or America.

T&D Corporation
tandd.com/purchasing/