RTR500BM: Getting Ready

① Preparing a SIM Card

Please purchase a SIM card that meets the following requirements:

- Size: Nano SIM*[1]
- The card has been or can be activated
- SIM which supports 4G data communication*[2] *[3]
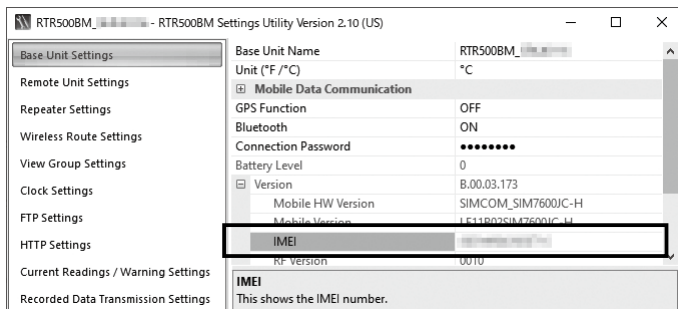- Contracted SIM card with a minimum speed of 200Kbps

*1: For the supported SIM cards, contact your local T&D distributor.

*2: If you wish to receive warning messages via SMS, then you will need a card/ contract supporting SMS.
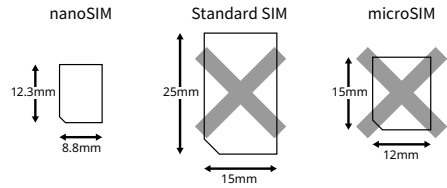
*3: The SMS warning function is supported by firmware version R.01.00.06 or later.

nanoSIM — 12.3mm × 8.8mm

Standard SIM — 25mm × 15mm

microSIM — 15mm × 12mm

When purchasing a SIM card, you may be asked for the IMEI number. The IMEI number for your RTR500BM can be found in the software/app as shown below.
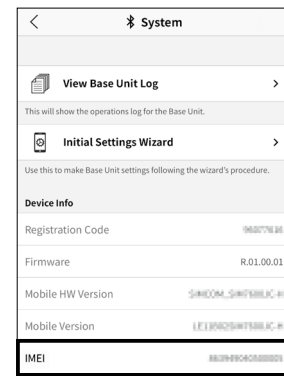
RTR500BM for Windows（PC Software）：
RTR500BM Settings Utility – [Base Unit Settings] – Version

RTR500BM_ ▓▓▓▓ - RTR500BM Settings Utility Version 2.10 (US)	— □ ✕
Base Unit Settings	Base Unit Name — RTR500BM_ ▓▓▓
Remote Unit Settings	Unit (°F /°C) — °C
	⊞ Mobile Data Communication
Repeater Settings	GPS Function — OFF
Wireless Route Settings	Bluetooth — ON
View Group Settings	Connection Password — ●●●●●●●●
Clock Settings	Battery Level — 0
	⊟ Version — B.00.03.173
FTP Settings	Mobile HW Version — SIMCOM_SIM7600JC-H
HTTP Settings	Mobile Version — LE11B02SIM7600JC-H
Current Readings / Warning Settings	**IMEI** — ▓▓▓▓▓▓
Recorded Data Transmission Settings	RF Version — 0010
	IMEI
	This shows the IMEI number.

* Make a USB connection between the RTR500BM and the PC with the software installed.

T&D 500B Utility（Mobile Application）：
System – Device info

‹	✻ System
🔲	View Base Unit Log ›
	This will show the operations log for the Base Unit.
📱	Initial Settings Wizard ›
	Use this to make Base Unit settings following the wizard's procedure.
Device Info	
Registration Code	▓▓▓▓▓
Firmware	R.01.00.01
Mobile HW Version	SIMCOM_SIM7600JC-H
Mobile Version	LE11B02SIM7600JC-H
IMEI	▓▓▓▓▓▓

* Make a Bluetooth connection between the RTR500BM and the mobile device with the app installed.

- Please contact the distributor from which you purchased the product.
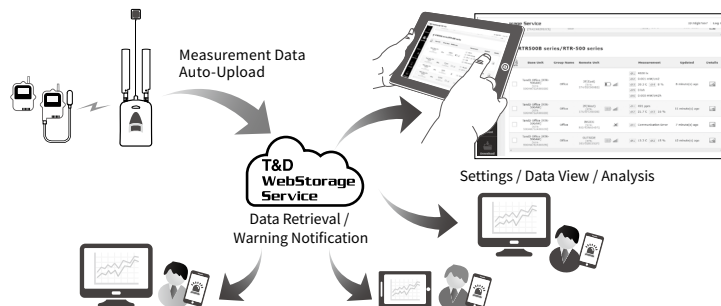
tandd.com/purchasing/

② Preparing a destination for data transfer

When using "T&D WebStorage Service" as your data destination:

By specifying T&D's free cloud service T&D WebStorage Service as the data transmission destination, you can monitor current readings, check recorded data, send e-mail alerts, and change settings from our smart device app.

* To use T&D WebStorage Service you must first complete User Registration.

www.webstorage-service.com/

Measurement Data Auto-Upload

T&D WebStorage Service

Data Retrieval / Warning Notification

Settings / Data View / Analysis

When using a destination other than T&D WebStorage Service:

You can specify the transfer destination as your own Web server or an FTP server of your choice.

- For details see RTR500B Series Help, under [RTR500BM for Windows] – [Getting Ready]
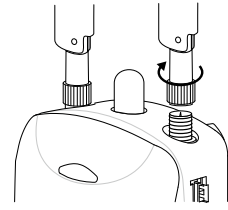
tandd.com/support/webhelp/rtr500b/eng/

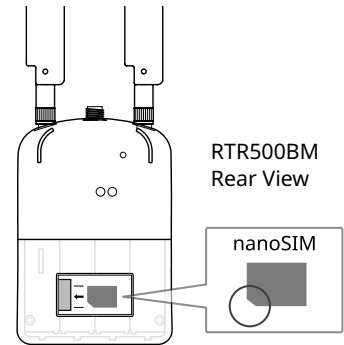## ③ Preparing the RTR500BM

Connect the Antennas

Remove the protective covers from the antenna connectors (LOCAL and CELLULAR) on the unit, and connect the supplied Antenna (CSR-0011).

Install the SIM Card

Place the SIM card with the IC (electrode) side down and the notch to the lower left, and slide it to the left.
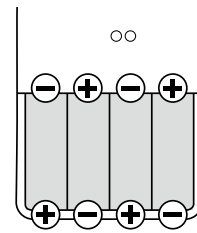
- Slide it completely left until you hear a "click" sound. Incomplete or improper insertion may cause insufficient contact with the IC and result in a communication error.
- When inserting or removing a SIM card, avoid exposure to static electricity.
- Before inserting or removing the card, make sure to disconnect all cables (AC adaptor, USB cable, and external power cable).
- Be careful not to touch or scratch the IC area of the card. This may cause poor contact.
- Make sure to insert the card in the proper direction.

RTR500BM
Rear View

nanoSIM

Install the Batteries

Remove the battery cover and insert the supplied AA alkaline batteries. After inserting the batteries, close the battery cover.

- Make sure that + and - are in the correct direction.
- Leaving alkaline batteries in the unit for a long period of time may cause battery leakage and corrosion. When using as a backup source, we recommend that you change the batteries once every year.
- Make sure to use new batteries of the same kind.
- Keeping batteries in the unit allows a backup source of power in the event of power failure. If running only on batteries, the estimated battery life is about 3 days. For longer continuous operation, please use an external power source.

④ Preparing an External Power Supply

In addition to the supplied four AA alkaline batteries and AC adaptor, depending on usage needs power can be supplied from automobile batteries, etc. When using an external power supply, please use the optional battery connection adaptor (BC-0204)*.

  * For more details about purchasing the optional battery adaptor (BC-0204), please contact the distributor from which you purchased the RTR500BM.

Optional Battery Connection Adaptor (BC-0204)

- Voltage: input DC9 – 38V, output DC5V
- Current: MAX 2A

Mini Flat Fuse
2A / 32V

Connect to
the DC Jack

Connect to an External
Power Supply

AWG #20

Red

Red   Black

Black

L-Type
DC Plug

2000mm