

TOSHIBA Installation Manual

To installation personnel - Electrical work and service

Simple wired remote controller

Model:
RBC-AS41E

Accessory parts

No.	Part Name	Q'ty	No.	Part Name	Q'ty
1	Remote controller	1	3	Wood screw	2
2	Screw M4 x 20	2	4	Installation Manual	1
			5	Owner's Manual	1

Remote controller installation place requirements

Do not install the remote controller in a place where it will be exposed to direct sunlight or outside air (near a window or the like).

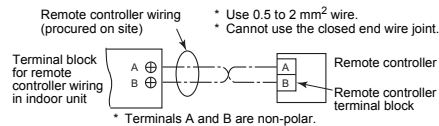
The temperature sensor is embedded both in the remote controller and in the indoor unit. Switch between them for use. (The factory default is the indoor unit's one.)

When switching to the remote controller's one, observe the following in order for the sensor to detect the average room temperature. If not possible, it is recommended to use the sensor in the indoor unit.

- Install the remote controller at a height of 1 to 1.5 m from the floor.
- Do not install the remote controller behind obstacles, where it cannot detect the room temperature.
- Install the remote controller only in the room to be air-conditioned.
- Install the remote controller vertically on the wall or the like.
- Do not install the remote controller in a place where it will be exposed to the direct discharge air from the air conditioner.
- Do not install the remote controller on a wall whose temperature greatly differs from the room temperature.

How to wire the remote controller

■ Connection diagram



NOTE 1:The remote controller wire should not be bundled with other wires (mains, etc.), or installed with other wires in the same conduit, as malfunction may result.

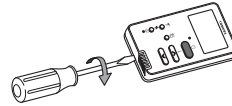
NOTE 2:Install the remote controller away from sources of electrical interference and electromagnetic fields.

NOTE 3:If electrical interference is unavoidable, countermeasures such as appropriate filtering should be employed.

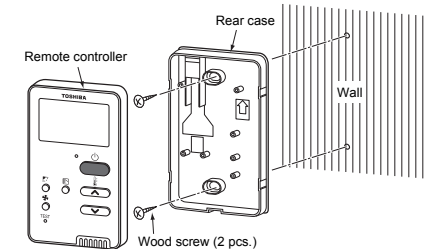
How to install the remote controller

■ Installation procedure

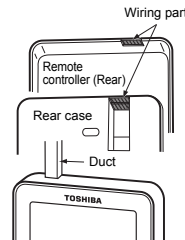
1. Insert a flat head screw driver or the like into the slot at the bottom of the remote controller, and twist it to remove the rear case.
2. Secure the rear case on a wall or the like using the supplied wood screws (2 pcs). (Overtightening may damage the rear case or LCD.)
3. Wire the remote controller after checking the connector No. (A, B) of the indoor unit to prevent miswiring. (Applying 220 – 240 V AC causes damage.)
4. Attach the remote controller to the rear case by fitting its hooks into the slits of the rear case.



■ Installing the remote controller on the wall



- Cut the wiring parts (shaded) at the top of the remote controller and rear case using a knife, nipper, or the like.
- Protect the wires with the wire cover.



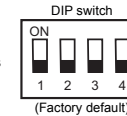
NOTE 1:Leave a distance of at least 30 mm around the remote controller.

DIP switch setup

The DIP switch is placed on the circuit board of the remote controller. When switching, remove the rear case. First turn off the power of the air conditioner.

■ Header / Follower

Use the DIP switch 1 to set the header / follower of the remote controller. To use the remote controller as the follower, slide the switch to ON. To use the remote controller as the header, slide the switch to OFF.



* For details, refer to "Multiple remote controller installation requirements".

DIP switch	1	2	3	4
Item	Header / Follower	Not use	Not use	Remote controller sensor
ON	Follower			ON
OFF	Header			OFF

■ Remote controller sensor

Use the DIP switch 4 to set the remote controller sensor. To use the temperature sensor of the remote controller, slide the switch to ON. To use the temperature sensor of the indoor unit, slide the switch to OFF.

* For details, refer to "Switching the temperature sensor".

Multiple remote controller installation requirements

In a dual remote controller system, one or more units are operated by multiple remote controllers.

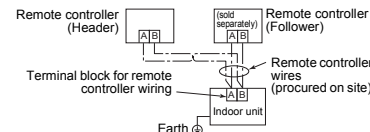
■ How to install

For a dual remote controller system, install the remote controllers in the following way.

1. Set one of remote controllers as the header remote controller. (The default setting is 'Header'.)
2. Set another remote controller as the follower remote controller by sliding the DIP switch 1 on the circuit board of the remote controller to ON.

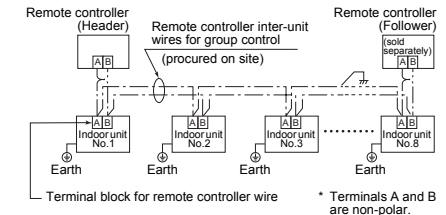
■ Basic wiring diagram

- Operating one indoor unit from remote controllers installed in two different locations.



- Operating a group control of multiple indoor units from remote controllers installed in two different locations.

* Header and Follower remote controllers are operable even if they are connected to any indoor unit.



Switching the temperature sensor

The temperature sensor is embedded both in the remote controller and in the indoor unit.

The two sensors cannot work simultaneously. The indoor unit's one is used by default. To switch to the remote controller's one, slide the DIP switch 4 on the circuit board of the remote controller to ON.

NOTE 1:Switching to the remote controller's sensor is possible on the header remote controller. (Cannot be switched if the remote controller is the follower.)

NOTE 2:When using a separately purchased remote sensor, set the remote controller's sensor to OFF.

Requirement

When a remote controller is used for the first time, initial operation after power on will take a few moments. This is not a malfunction.

<Initial power on period>

Allow approx. 5 minutes for the remote controller to operate.



<Usual power on period after the second time>

Allow approx. 1 minute for the remote controller to operate.



Addresses of a multi-type air-conditioner are not set up just by turning on the power. ("SETTING" keeps blinking.) Its addresses must be set up by performing operations on the outdoor interface circuit board. While addresses are being set up, no remote controller operations can be performed. Setup takes up to 10 minutes.

Remote controller test run setup

1. Use a long thin pencil or something to push the TEST button on the remote controller for 4 seconds or longer. When "TEST" appears on the LCD, push the ON/OFF button.
 - Temperature adjustment is not possible while "TEST" is displayed.
 - The test run applies considerable load on the machine; therefore, it is recommended not to use the test mode beyond necessity.



2. The test mode should be used in either HEAT or COOL mode.

NOTE 1:The outdoor unit will not operate for approx. 3 minutes after power up, or the operation will stop.

3.Be sure the "TEST" indication in the LCD display has disappeared by pushing the TEST button again after exiting the test mode. (The remote controller has a 60-minute off timer function to prevent continuous test run).