

6.3 FCC Part 15.21

Note:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

1.4 FCC Part 2.1093


To satisfy FCC RF exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Specifications

Model ACW520-BT	ACW 520 -BT Bluetooth module Product line Accessory: communication module
BT Version	Bluetooth 5.0 (downward compatible 4.1, 4.2)
Size of box	68 x 26 x 98 mm
Size of package	70 x 70 x 100 mm
Power	DC (3.3~12) V
Power Consumption	5V/15mA
Display	Red/green/yellow indicating light
Working Temperature	-10°C~40°C
Ambient humidity	Humidity =<85%

Packing List

No.	Name	Quantity	Note
1	ACW520-BT Bluetooth Module	1	
2	Quick Guide	1	

	<p>CAUTION</p> <p>Unauthorized person is not allowed to disassemble the product. Do not use the device in hazardous environment!</p>
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METTLER TOLEDO reserves the right to modify the instructions



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Quick Guide

Bluetooth Module ACW520

ACW520-BT



www.mt.com For more information



1. Assemble

Plug the joint of ACW520-BT directly into the joint of the device that need to be connected, and then the adapter will start automatically

The red light of ACW520-BT will flash once when starting.

* How to ensure the ACW520-BT has started

After the connection, short press the multi-function button. If the indicating light flashes, that means the Bluetooth has started.

2. Pairing

Operating as below after confirmed the starting of ACW520-BT:

(1) Long press the ACW520-BT in the scale until the yellow indicating light flash once.

(2) Long press the ACW520-BT which is connected to terminal, until the yellow indicating light flash twice.

(3) once the two adapters connect successfully, the green lights of both flash once.

* How to determine master and slave

In the operation shown above, the ACW520-BT connected to scale is slave and the ACW520-BT connected to terminal is master.

Slave: can be connected by other master devices and will record the address of the master in default when first connected. After that, it will not receive the query from other master.

Master: will connect to one of the other paired slaves automatically.

Configuration of master and slave:

Configuration type	slave	master
1	In the scale	With the terminal

*search for the corresponding paired ACW520-BT through ACW520-BT

After power on the adapter, single click the multi-function button, the indication light of paired adapter will flash at the same time.

Yellow light flashing means slave and **green light** flashing means master.

3. Working mode

Bluetooth adapter ACW520-BT can work in the mode of transparent transmission:

Working mode	Description
Transparent transmission	Data transmitted in both directions between the serial port and the ACW520-BT interface directly

* Working mode and slave and master inquiring

Single click the multi-function button, the times of flashing indicates the working mode and the color indicates slave or master.

Indication light flashing	Working mode	Slave or master
●● yellow twice	transparent transmission	slave
●● green twice	transparent transmission	master

4. Transmission mode

The function is to turn on or off the multiple to one transmission function. In the multiple to one transmission mode, the devices should be set to multi masters and one slave. Choose one as the slave and connect it with other masters in turn.

*Transmission mode inquiring

Triple click the multi-function button, and the flashing times correspond to different modes.

flashing	transmission mode
● red color once	one to one
●● red color twice	Multiple to one (caution: this function is not available to wireless floor scale)

* How to switch the transmission mode

After power on the ACW520-BT, the transmission mode can be switched.

To switch the transmission mode, long press the multi-function button until the yellow light flashes three times. Then triple click the button to switch in 5 seconds.

After the transmission mode is switched successfully, the adapter will restart automatically and the red light will flash once

Caution: the slave and master should be set to the same transmission mode.

5. Restore factory settings

Shortcut: when the ACW520-BT is powered on, double click the multi-function button. Then the ACW520-BT will be reset to factory settings and the red light flashes once to tell you the reset has been done.

Standard mode: when the ACW520-BT is powered on, long press the paired ACW520-BT until the yellow light flashes three times. Then, short press the multi-function button four times instantly and immediately. The ACW520-BT will also be reset and the red light flashes once.

The parameters shown below will be reset to default:

Parameter	Keep	Reset to default	Default
pairing info.		√	None
Master and slave info.		√	Slave
Working mode		√	Transparent transmission
Transmission mode		√	One to One
Baud rate		√	115200
Name	√		Factory preset

6. FCC STATEMENT:

This device complies with part 15 of the FCC rules.

Part 15C

6.1 FCC Part 15.105 (b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help .

6.2 FCC Part 15.19(a)(3)

Conditions for Use:

This device complies with Part15 of the FCC Rules. Operation is subject to the following two 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.