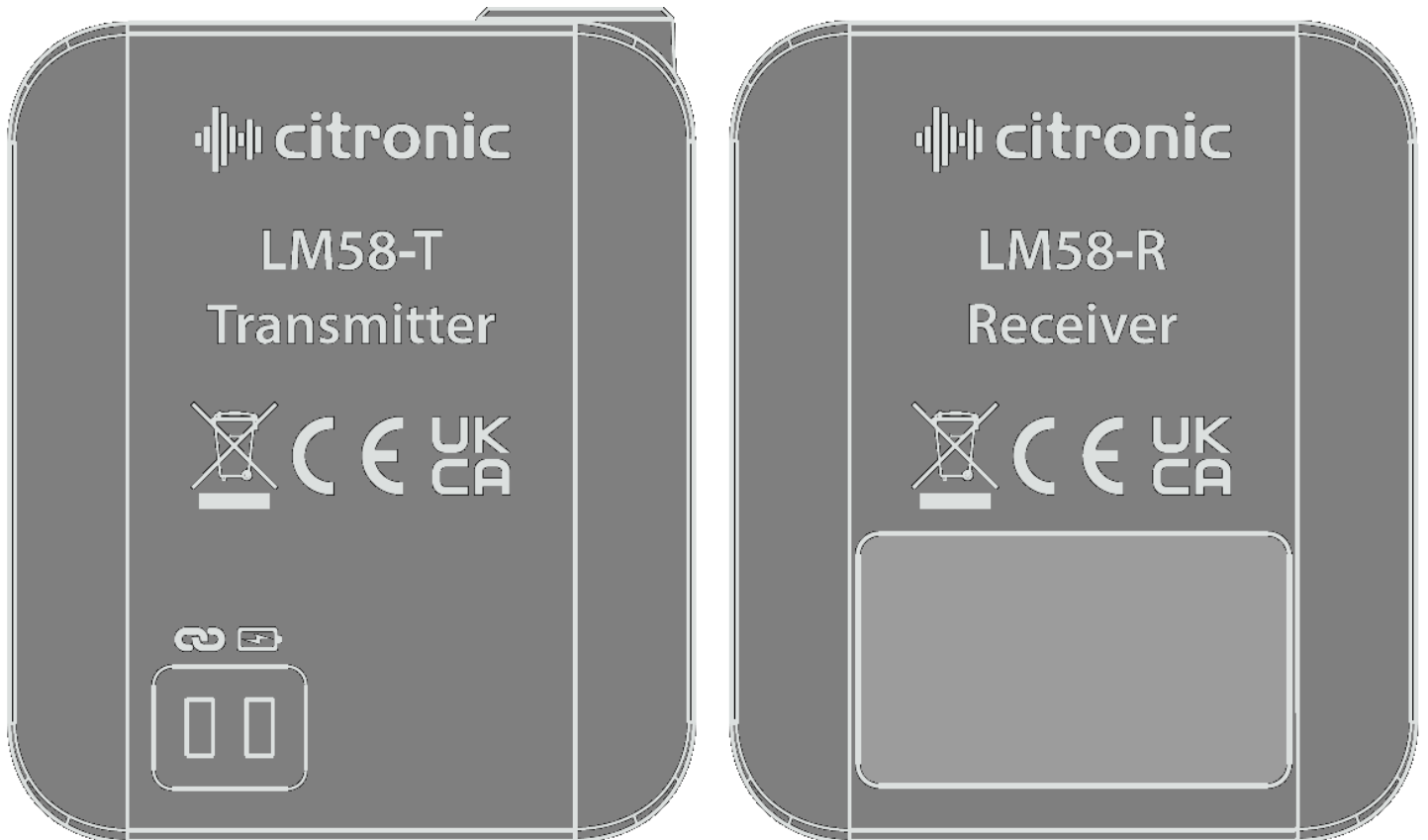


LM58

5.8GHz Clip Microphone System

Item ref: 171.858UK

User Manual



Version 1.0



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the Citronic LM58 wireless clip microphone system. This compact system offers convenient and discreet wireless microphone system for presentations, tuition, and demonstrations. Please read this manual before using this equipment to avoid damage through incorrect operation and to get the best performance from this equipment.

Contents:

Please take care when unpacking this product. Inspect for any damage and ensure you have the following components...

- Miniature Rechargeable 5.8GHz transmitter
- Miniature Rechargeable 5.8GHz receiver
- Wind filter attachment
- 2 x USB A to C charging leads
- 3.5mm stereo output lead
- Carrying pouch

Warning

To prevent the risk of damage to the equipment, do not expose any of the components to rain or moisture.

If liquids are spilled on any component, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use.

Avoid impact or heavy vibration to any of the components or over-stretching of the cables. No user serviceable parts inside transmitter or receiver - refer servicing to qualified service personnel.

Safety

- Ensure that the transmitter and receiver are charged using a standard 5V USB charger with 1A minimum output.
- Avoid ingress of water or particles into the transmitter or receiver
- Do not attempt to replace the internal batteries.

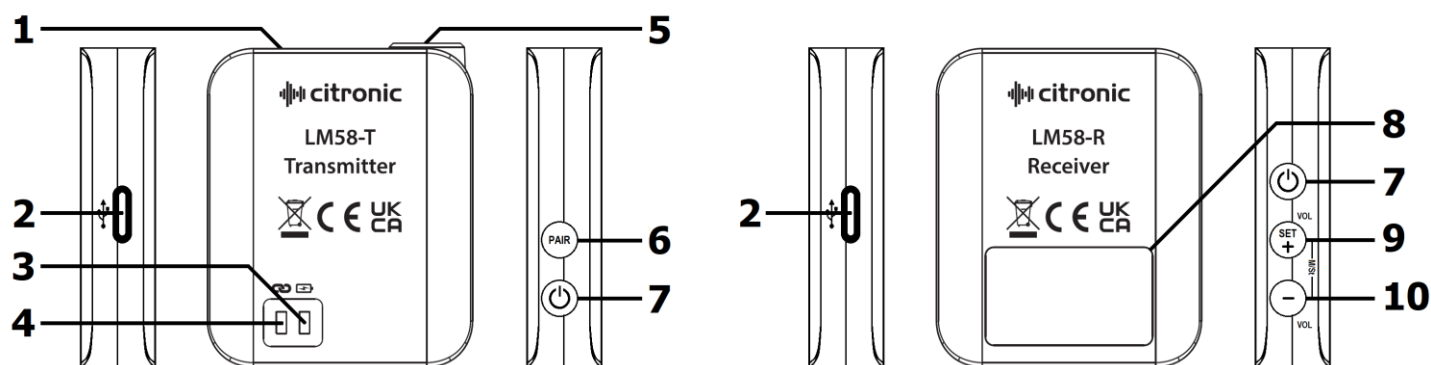
Placement

- Ensure good line-of-sight contact between transmitter and receiver for best reception.
- Keep all components out of direct sunlight and away from heat sources.

Cleaning

- Use a soft cloth with a neutral detergent to clean the body of the transmitter and/or receiver.
- To avoid damage, do not use solvents to clean the components.

Transmitter and Receiver



- | | | | |
|---|---|----|--|
| 1 | 3.5mm microphone input | 6 | Pairing button |
| 2 | USB-C charge input (+ receiver audio out) | 7 | Power button |
| 3 | Charge status indicator | 8 | Receiver display |
| 4 | Pairing indicator | 9 | Setting ▲ (+) button (hold for volume +) |
| 5 | Inbuilt condenser microphone | 10 | Setting ▼ (-) button (hold for volume -) |

Setting Up

The LM58 has a simple and intuitive setup procedure with flexible configuration options to suit your specific application. A single receiver can pair with up to 2 transmitters to enable 2-way presentations, such as interviewer and interviewee with a separate transmitter each.

It is advised to charge the transmitter and receiver fully (2 hours each) from USB before first use. Connect a standard 5Vdc USB charger to the USB-C connector on each unit for recharging. The receiver shows charge status via a battery symbol with a bar graph on the colour display. The transmitter has a green charge indicator, which flashes when the battery is low, lights continuously during charging, and goes off when fully charged.

Once fully charged, disconnect from USB power and power on each unit by pressing the **Power** button for 1 second. The transmitter may already be paired as "TX1" to the receiver, in which case, the blue pairing indicator will light continuously. If not paired, the pairing indicator will flash, and the pairing procedure will need to be initiated withing the receiver settings menu (see below).

A 3.5mm stereo jack lead is provided for connecting the LM58-R receiver to a 3.5mm mic input on a camera or other 3.5mm stereo mic input. This 3.5mm output can also be used as a line output to connect to mixers, recorders, or sound cards, which may require a 3.5mm stereo lead with different connector(s) on the other end.

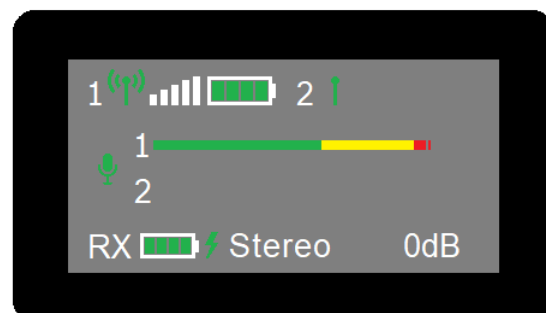
For digital audio output, the USB-C port on the receiver may be connected to a PC or Mac computer or even a smart phone for direct feed into a recording application.

The LM58-T transmitter has an inbuilt condenser microphone with an omnidirectional pickup pattern. Alternatively, the transmitter has a mono 3.5mm jack which can accept a lavalier or headset microphone and provides 3V phantom power voltage for condenser types. Connecting a microphone to this input will override the inbuilt condenser microphone.

Receiver Menu

The LM58-R receiver has a settings menu which is shown via several pages on its 25mm TFT colour display.

The main screen shows the signal and charge status of connected transmitter(s) with the mic level(s) shown as a bar display. At the bottom, the receiver charge status, output mode and volume are displayed. Other menu pages will return to this screen after 40 seconds of inactivity.



Pairing

The LM58-T transmitter pairing indicator is lit continuously when paired, or flashes when not paired. To enter pairing mode, hold down the **Pair** button for 5 seconds and the indicator will double flash.

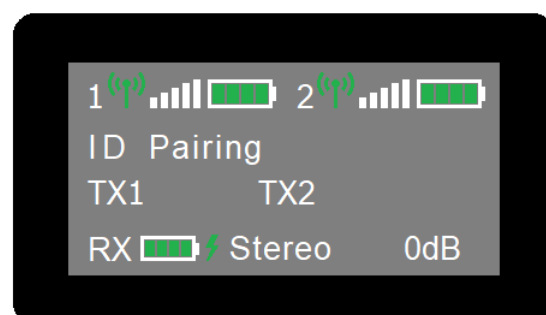
On the LM58-R receiver, press the **SET+** button to enter the settings menu and the first page is for pairing transmitters. Briefly pressing (*short press*) the **SET+** button again steps through other menu pages. Hold **SET+** for 1 second (*long press*) to edit the settings on any of these pages.

Long press **SET+** to enter edit mode on the ID Pairing page and TX1 will be highlighted.

(short press **SET+/-** to select TX1 or TX2)

Long press **SET+** to select to pair that transmitter. If the selected transmitter is in pairing mode (double flashing LED) the pairing process will begin, and the display will show "Success" when pairing is completed.

Repeat the process on the other TX if you are pairing 2 transmitters. Continually short pressing **SET+** will step through menu pages and back to the main screen.



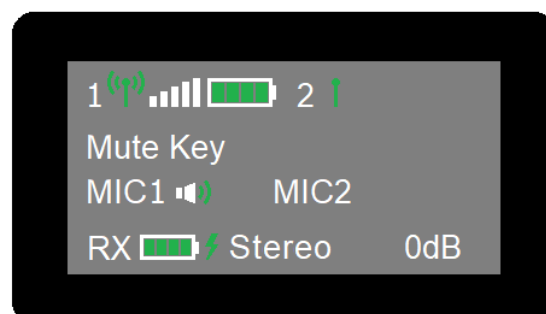
Muting

The next menu page is for muting.

Press and hold **SET+** to edit the Mute Key settings and MIC1 will be highlighted.

(short press **SET+/-** to select MIC1 or MIC2).

Long press **SET+** to select the highlighted MIC for muting and short press **SET+/-** to mute or un-mute that microphone. Press and hold **SET+** again to exit setting for the highlighted MIC.

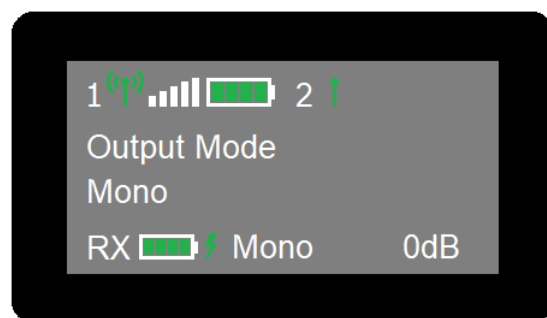


Output Mode

The next menu page sets the Output Mode, which can be either Stereo or Mono. In Stereo Mode, MIC1 (TX1) appears on the left audio output and MIC2 (TX2) appears on the right audio output. In Mono Mode, both mics appear on both outputs.

Long press **SET+** to highlight mode, short press **SET+/-** to toggle Mono/Stereo, then long press **SET+** to exit.

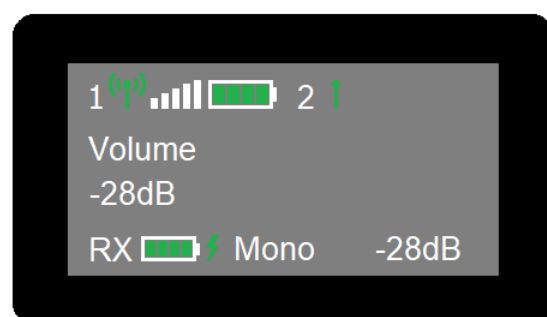
Alternatively, from the main screen, pressing both **SET+** and **SET-** together simultaneously can toggle the mode between Mono and Stereo modes.



Volume

The next menu page is to set the output volume of the receiver, which can be selected from -28dB to +8dB in 4dB increments. Long press **SET+** to select the current volume setting and short press **SET+/-** to adjust this value. Press and hold **SET+** again to exit the volume setting menu.

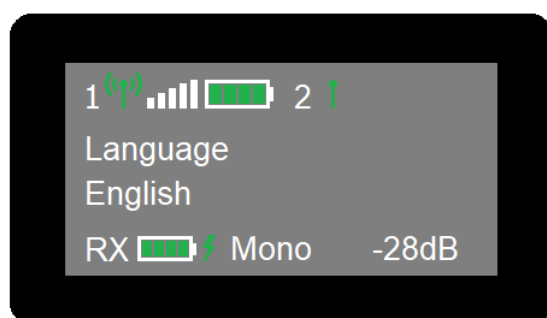
Alternatively, long pressing **SET+** or **SET-** from the main screen will also set the output volume in 4dB increments.



Language

The following menu page sets the menu language. This would normally be set to English.

If for any reason the language is set to Chinese, the text will appear as Chinese Hanzi Characters. In this case, it will be necessary to scroll through the menus until the section with the following symbols... 简体中文. Highlight this text and select to change to English.

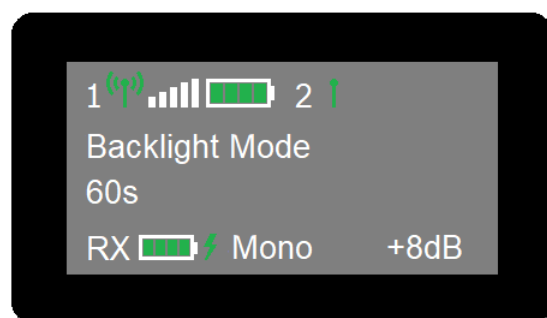


Backlight

The display backlight can be set to dim to save battery charge. The next menu page after Language is to set this value, which can be set to On (continuous), 10s, 30s or 60s. The number values represent how many seconds the display stays at full brightness without any settings activity before dimming.

The next page in the menu returns to the main screen.

When not being used, it is advised to power down each unit and maintain full battery charge if storing for longer periods of time.



Specifications

Power supply	Internal rechargeable Li-ion battery
Carrier frequency	5.8GHz ISM band
Max. range	Up to 60m
Microphone: polar pattern	Omnidirectional
SPL max.	100dBu (internal microphone)
Dynamic range	90dB
Max. mic in	-30dB
Frequency response	30Hz - 18kHz
S/N ratio	102dB
Transmitter: power	7dBm
Battery life	5 hours max.
Dimensions (each)	55 x 45 x 24mm (transmitter or receiver)
Weight (each)	31g (transmitter or receiver)



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines

Hereby, AVSL Group Ltd. declares that the radio equipment type 171.858UK is in compliance with [Directive 2014/53/EU](#)

The full text of the EU declarations of conformity are available at the following internet address:
<http://www.avsl.com/assets/exportdoc/1/7/171858UK%20CE.pdf>

Errors and omissions excepted. Copyright© 2023.
 AVSL Group Ltd. Unit 2-4 Bridgewater Park, Taylor Rd. Manchester. M41 7JQ
 AVSL (EUROPE) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, Ireland.