RF Wireless Systems Presents Q5X PlayerMic

Charge Player Mic ASAP!!!

Charge LED Color

When connected to a charger, the color of the Charge LED will indicate the progress of the charging cycle. The LED is located on the front of the TX. For more info on the charge status see the QG-H1 as it will report more accurate battery levels.

- **GREEN** – The battery is charged and ready for use.
- **AMBER** – The battery level is low, but can be used for short term use, such as setup or quick audio tests.
- **RED** – The battery level is unusable and must be charged.

Note: After the LED changes from Amber to Green, it is recommended it be charged for 15 more minutes while the trickle charge completes.

You must remove the power supply before testing the Mic!!
**Attach Transmitter**

Attach the Transmitter with gaff tape to the back of the shoulder pads and run the mic cable to the front. Do not place the transmitter on the inside of the pads as you can not compromise the effectiveness of the shoulder pads.

Attach the lav mic to the front of the shoulder pads at the centre of the chest or as high as you can get get placement.

*You must remove the power supply before testing the Mic!!*

**Attach Lav Mic**

Attach the lav mic to the front of the shoulder pads at the centre of the chest or as high as you can get get placement. Be sure to tape the mic cable down along the pad to the front lav location.

Strain relief the mic cable to the side of transmitter. Be sure to do this on the side away from the short antenna.

*You must remove the power supply before testing the Mic!!*
Attach Lav Mic

When Strain relieving the mic cable cover charging port with tape to keep dry

You must remove the power supply before testing the Mic!!

The QT-5100 Transmitter

Out-of-the-Box Setup
Ensure the QT-5100 has a sufficient charge level by immediately inserting the micro USB charger. Leave the Transmitters to fully charge while you complete the rest of your setup

You must remove the power supply before testing the Mic!!

Storage Mode
When in Storage mode the transmitter will appear to be completely drained and will not respond to any commands from the QG-H1 remote or QG-N3 gateway. If the transmitter was set to Storage mode it does require that the charger be inserted to bring it out of storage mode. If it was in this mode, when you insert the charger it will wake up and report the battery level. Depending on the charge level and how long it’s been in storage it may be ready to use or may require some time on the charger if it’s below your required battery level.
Status LED Color

The Status LED indicates 2 conditions;
1) one condition (On/Off) via the LED blink pattern.
2) the second condition (Battery Level) via the LED color.

Status LED Color
The color of the Status LED indicates the battery charge level;

Note: The meaning of the Status LED’s color is slightly different than the Charge LED’s color. See the following:

- **GREEN** – The battery level is over 50%.
- **AMBER** – The battery level is less than 50%.
- **RED** – The battery level is unusable and must be charged.

Status LED Blink Patterns

The blink pattern of the Status LED indicates the mode of the QT-5100.

**OFF Mode** *(no RF, no audio)* – The LED is off for 2.5 seconds and on for 1/4 of a second, and repeats.

**ON Mode** *(RF on, may have audio, unless the transmitter has been audio muted)* – The LED is off for 2.5 seconds and blinks on twice for 1/4 of a second, and repeats.

The pushbutton is used to turn the QT-5100 on and off. If the transmitter is Off, press and hold the pushbutton for 3 seconds to turn the transmitter On. If the transmitter is On, press and hold the pushbutton for 3 seconds to turn the transmitter Off.
The QT-5100 Transmitter

Using the Reset Key

The QT-5100 has an issue where the unit occasionally needs to be reset after being connected to a charger. The Reset Key is a small male USB device with a yellow shrink wrap to identify it.

Use this only if the transmitter becomes unresponsive. The transmitter has 2 microprocessors and occasionally one may become locked. The Reset Key (which is typically attached to the cable of the charger) should be inserted into the charge port, left for 1 second, and then removed.

After the Reset Key is removed, the Status LED will blink green 3 times. There are 2 LED indicators on the QT-5100 series, Status and Charge.

QG-H1 MicCommander - Manual included in equipment

Hand held remote control, for RCAS transmitters. Used to set and monitor; on/off, frequency, mic gain, RF power, mode, groups, battery level. Can manage single or groups of transmitters as well as transmitter compatibility modes.
Technical Data

QT-5100 PlayerMic

Micro sized transmitter, in a flexible polymer, water resistant case. With an internal Li-ion rechargeable battery and Lemo connector for a removable Lavalier.

- Dimensions: 99mm x 42mm x 9.4mm
- Weight: 57g including battery
- RF output power: 10 to 250 mW
- Number of channels: approx. 3,000
- RF frequency range: 525 to 600 MHz
- Switching bandwidth: 75MHz (25 KHz steps)
- Modulation: FM
- Nominal deviation: +/- 40 kHz
- Peak deviation: +/- 54 kHz
- Pre-emphasis: 50 us
- Compander: Q5X DCS-QT
- Signal to Noise: 110dB (A) rms
- Frequency stability: +/- 0.001%
- Spurious Emission: <- 60 dBc
- Total harmonic distortion (THD): 0.3% at nominal deviation
- Frequency response: 50 Hz to 17,000 Hz

NOTE: system frequency response is dependent on the microphone element
- Audio connector: 1 pin Lemo
- Antenna: 1/4 wave flex
- Battery: Internal Lithium
- Operating time: (Battery) estimated 8 hrs @ 50mW
- Operating Temperatures: -10c to +45C
- Approvals: FCC, CE, Industry Canada

Frequency Chart

QT-5100 PlayerMic

July 13 – Toronto at Edmonton: 536.450, 537.450, 538.625, 539.550, 543.625, 544.225, 545.425, 546.475, 546.950
July 21 – Montreal at Calgary: 536.550, 537.825, 540.925, 543.475, 546.125, 548.975, 550.800, 551.975, 553.025
July 27 – Toronto at Winnipeg: TBD
Aug 2 – Saskatchewan at Edmonton: 536.450, 537.450, 538.625, 539.550, 543.625, 544.225, 545.425, 546.475, 546.950
Aug 9 – Edmonton at BC: TBD
Aug 19 – Calgary at Saskatchewan: TBD
Sept 7 – Ottawa at BC: TBD

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