



UHF Wireless Microphone System

Instruction Manual

- For mobile journalist, vlogger, filmmaker and videographer
- Compatible with smartphone, tablet, DSLR camera, camcorder, audio recorder
- Deliver clean and broadcast-quality sound for recording
- UHF transmission with 48 channels
- Omnidirectional lavalier microphone included
- Easy-to-read LCD displays
- USB Type-C ports for battery recharging
- Rugged all-metal construction
- Up to 70m (230') (without obstacle) operation range
- Mute function
- 3.5mm headphone output

The accessories shown are:

- Body-pack transmitter (X955) (1)**: A small electronic device with a coiled antenna and a strap for wearing.
- Portable receiver (X955) (1)**: A larger electronic device with a coiled antenna and a strap, featuring a small display screen.
- Omni-directional lavalier microphone**: A small, thin microphone with a clip and a coiled cable.
- 3.5mm TRS to XLR Male Output Cable**: A cable with a 3.5mm TRS connector on one end and an XLR male connector on the other.
- 3.5mm TRS to TRS audio output cable**: A standard audio cable with 3.5mm TRS connectors on both ends.
- Type-c to USB-A connect cable (x2)**: A cable with a USB-A connector on one end and a Type-C connector on the other.
- 3.5mm TRS to TRRS audio output cable**: A cable with a 3.5mm TRS connector on one end and a TRRS connector on the other.
- Wind screen**: A flexible, accordion-like cover for a microphone.
- Microphone clip**: A small metal clip used to attach a lavalier microphone to clothing.
- Shoe mount adapter**: A small electronic device with a coiled cable, designed to be attached to a shoe.
- Belt clip (x2)**: Two small metal clips designed to hold the body-pack transmitter or receiver onto a belt.

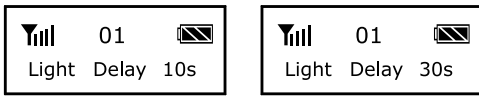
10. Belt clip
11. USB Type-C charging port

A diagram showing a cable with a connector on the left and a plug on the right. The connector has a black cap and a coiled spring. The plug is a standard two-prong electrical plug.

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- The diagram shows a rectangular block representing a radio receiver. Four numbered circles with arrows point to specific parts of the block: (1) points to the antenna symbol on the top left; (2) points to the speaker symbol on the top right; (3) points to the text 'CH 23' on the left side; and (4) points to the frequency '556.710MHz' at the bottom center.

Press + & -
to unlock

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Attaching the shoe mount adapter

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2. Turn on the transmitters and the receiver.
3. Set the transmitters and the receiver to the same channel. If you are experiencing interference or noise on one channel, try a different channel.
4. When the background volume low, plug your headphones into the receiver and gradually raise the level to a comfortable volume for monitoring the transmission.
5. The Channel and Volume of the Transmitter and the Receiver are default value when turn on them for the first time.
 - Adjust channel as you need.
 - Adjust as necessary to make sure an ample level is being transmitted to the receiver.
6. The objective is to transmit the highest level without distortion for the best signal-to-noise ratio throughout the signal path.
6. Once you have determined the transmission quality and level are good, mount the transmitter and the receiver.

A line drawing diagram showing a Motorola radio on the left and an iPhone on the right. A cable is connected between the two devices. The cable has a connector that fits into the top of the Motorola radio and a standard Lightning connector that fits into the bottom of the iPhone.

Receiver

1. Mount receiver to cameras, camcorders, audio recorders and other audio/video recording devices.
2. Using TRS cable, plug the 3.5 mm connector into the audio jack of your camera.
3. Insert the other end of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver "A" for monitoring sound if you need.
5. Long press the power ON/OFF button (the "POWER" indicator will light in blue)

- Please make sure the antenna is oriented to the subject getting the best signal.

1. Mount receiver to camcorders and other XLR audio/video recording devices.
2. Using the supplied XLR cable, plug the terminal of XLR connector into the audio jack of your camcorder.
3. Insert the other end of the connecting cable into the receiver "LINE OUT" jack.
4. Insert earphone into receiver " " for monitoring sound if you need.
5. Press the power ON/OFF button (the "POWER" indicator will light in blue)

- Please make sure the antenna is oriented to the subject getting the best signal.

Startups	Cause	Measure
The units don't turn on.	The batteries of BY-WMVS X type are not fully charged.	Use the supplied USB type-C cable to charge the batteries.
The batteries are discharged quickly.	The BY-WMVS components are being used under extremely cold conditions. The BY-WMVS Pro components are being used under extremely hot conditions.	The batteries drain quickly under extremely cold conditions. The batteries drain quickly under extremely hot conditions.
	There is a different channel on both transmitter and receiver.	Keep the same channel on both the transmitter and receiver.
There is no sound.	There does not have a good connection with the earphone. There does not have a well connection with the earphone.	Please try to reconnect it again. Please try to reconnect it again.
	The input level of the transmitter is low.	The input level of the transmitter is low. Adjust the audio output level on the transmitter. Keep the level as high as possible without distortion for each test Sound and Noise Ratio.
The sound is weak.	The input level of the receiver is low.	Adjust the receiver and reconnect to the MCX pin.
	Insert the bracket incorrectly into the LINE IN port.	Adjust the audio output level on the transmitter. Keep the level as high as possible without distortion for each test Sound and Noise Ratio.
There is distortion in the sound.	The input level of the receiver is inappropriate. There are in different channel on both transmitter and receiver. Keep the same channel as both the transmitter and receiver.	Adjust the audio output level on the transmitter. Keep the level as high as possible without distortion for each test Sound and Noise Ratio. Keep the same in different channel on both transmitter and receiver. Keep the same channel as both the transmitter and receiver.
	Headphones with a monoaural mic cannot be used	Use the headphones with a stereo mic.

Channel number	48
Oscillator type	PLL synthesizer
Carrier frequencies	556 710-575 960MHz
Signal to noise ratio	82dB or more
RF output power	10mW
Distortion	0.1% or less
Antenna	1/4w, wire antenna
Headphone output level	30mW(16 ohm)
Receive sensitivity	-98dBm
Frequency response	40Hz to 18KHz (+/-3dB)
Reference audio input level	-60dBV (MIC input, 0dB attenuation)
Power requirement	Built-in Li-ion battery 1600mAh DC5V (USB TYPE-C)
Dimensions	60x24x90mm (2.4"x0.9"x3.5")
Weight	149g (5.3oz)

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