

ShurePlus MOTIV Video -- Video Recording App for iOS

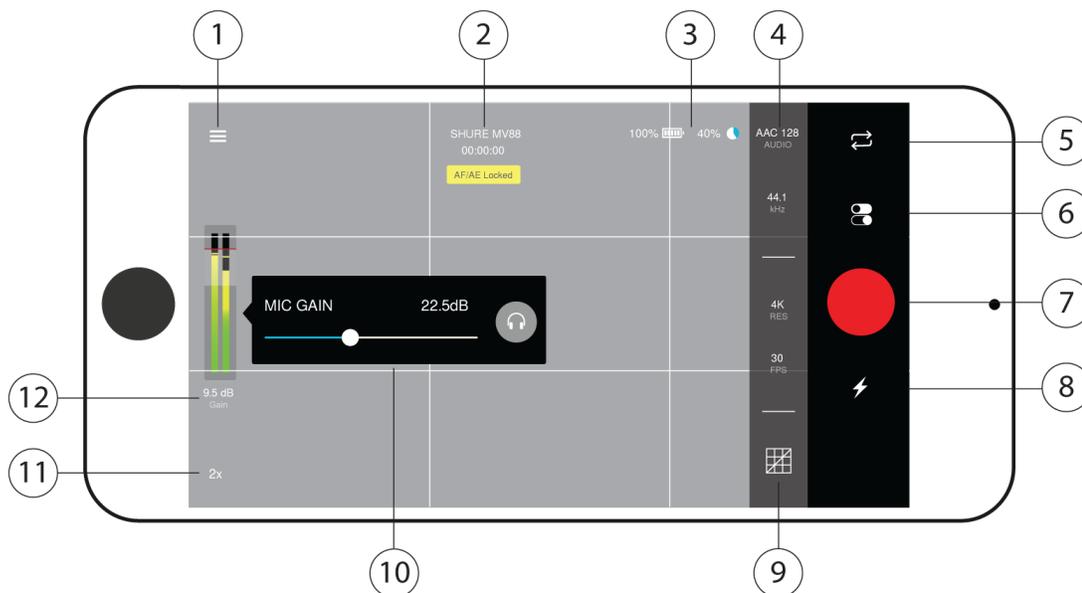
The ShurePlus® MOTIV Video recording app provides instant video recording with uncompressed audio for your mobile device. Customize the sound with digital signal processing (DSP) preset modes, adjustable gain, and stereo width control.

Features

- Plug-and-Play Operation supporting landscape and portrait recording
- Flexible Recording Control includes gain adjustment settings
- Support for mono and stereo audio devices
- When used with MOTIV microphones, there are preset modes available for a variety of recording situations.

Tip: Turn on Airplane Mode and Do Not Disturb to prevent interruptions to the recording caused by phone calls, text messages, or alerts.

Standby Mode



① Menu	Tap the menu to access general app settings or to open the about window for version information, help materials, and send feedback.
② Connected Device Status/Recording Length/Focus Lock	Status will display the model name of the connected MOTIV device. Recording length is displayed in hours, minutes, and seconds. See the Visual Settings topic for more information on focus and exposure.
③ Device Status	Displays remaining battery life and available storage space for your recording device.
④ File Information	<p>Displays video format options.</p> <ul style="list-style-type: none"> • Audio file type: WAV, ALAC, AAC 96, AAC 128, AAC 256. • Sample rate: 44.1 kHz, 48 kHz. • Video resolution: 720p, 1080p. • Frame rate: 24 fps, 30 fps, 60 fps.
⑤ Reverse Camera	Use the front-facing camera to shoot selfie videos.
⑥ Mic Setup	Access advanced microphone settings. See Mic Setup section for more information.
⑦ Record/Stop Button	Start and stop video recording.
⑧ Flash	Use the flash when recording in low light situations.
⑨ Grid/Level/Off Display	Tap through to display grid lines or a level for easy image composition. Or turn this feature off if you prefer a clean display.
⑩ Microphone Gain/Audio Monitor Button	Tap the input meter to bring up the mic gain window. Adjust to match the volume of the sound source. Make live adjustments to ensure levels are in the target range (indicated by the shaded region of the input meter). Tap the Audio Monitor (headphone button) to monitor your audio while you record. Or leave the monitor off and use the visual input meter.
⑪ Zoom Level	Adjust your zoom level for a closer view of your subject.
⑫ Input Meter	<p>Displays the strength of the mono or stereo input signal. Tap to adjust microphone gain during recording. The loudest peaks should reach within the target range (indicated by the shaded region of the input meter).</p> <p>Note: Display will read AGC when using the app with the built-in microphone. Automatic Gain Control (AGC) adjusts levels to ensure consistent volume. Weaker signals are boosted and stronger signals are attenuated to control gain. The dynamic range is decreased but the result is a more even recording.</p>

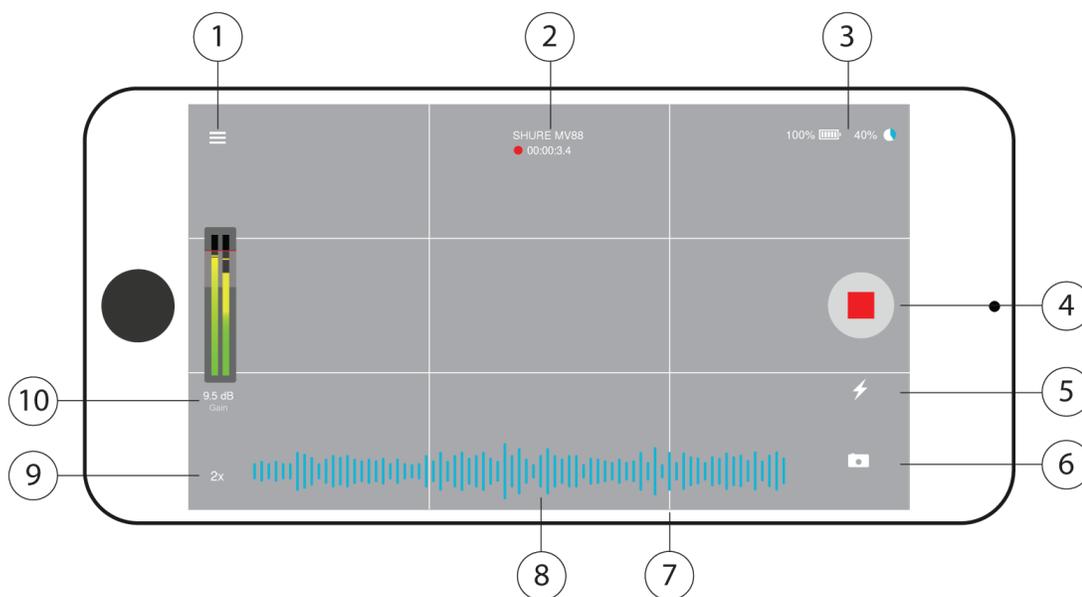
Visual Settings



Focus: The Focus icon automatically focuses on the center of the screen. Touch anywhere on the screen to manually select your focal area.

Exposure: Touch anywhere on the screen and move finger up or down to manually adjust exposure level.

Record Mode



① Menu	Select the menu to access general app settings and the About window for version information.
② Connected Device Status/Recording Length/Focus Lock	Status will display the model name of the connected MOTIV device. Recording length is displayed in hours, minutes, and seconds. See the Visual Settings topic for more information on focus and exposure.
③ Device Status	Displays remaining battery life and available storage space for your recording device.
④ Record/Stop Button	Start and stop video recording.
⑤ Flash	Use the flash when recording in low light situations.
⑥ Photo	Capture still photos during video recording. Photos get added to the recording device camera roll.

⑦ Grid	Use the grid lines to assist in composing your image.
⑧ Audio Recording	The MOTIV Video App displays the waveform of the audio as it is recording.
⑨ Zoom Level	Adjust your zoom level for a closer view of your subject.
⑩ Input Meter	Displays the strength of the mono or stereo input signal. Tap to adjust microphone gain during recording. The loudest peaks should reach within the target range (indicated by the shaded region of the input meter).

Note: The maximum file size for a recording is 2GB, which will result in approximately 2 hours of record time. This limitation was put in place to maximize app performance. Continuous recording for more than 2 hours will generate a second file.

Using the ShurePlus MOTIV App with the MV88 microphone

The MOTIV app controls microphone settings to optimize performance for specific uses. The MV88 stores the previously used settings for quick setup each time you record.

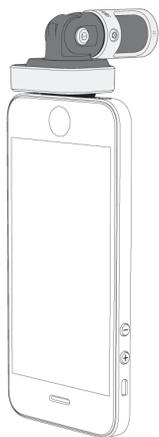
Aiming the Microphone

This section suggests placement for typical use cases. Keep in mind that there are many effective ways to record a given source. Experiment with horizontal or landscape orientation, microphone placement and settings to find what works best.

Tip: To ensure that left and right sides are facing the appropriate directions, check to see if the Shure name is clearly visible on the top of the microphone. If the name is not visible, turn the barrel 90°.

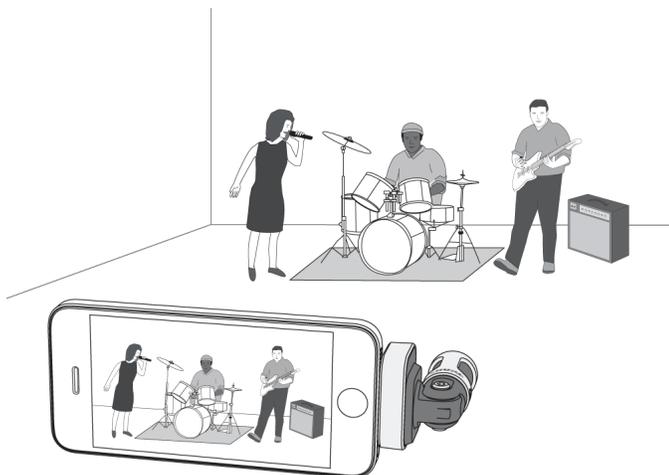
Portrait (Vertical)

Aim the front of the microphone toward the source. The microphone can be mounted in either orientation of the MV88 with the Lightning connector, so ensure that the left and right sides are facing the appropriate directions.



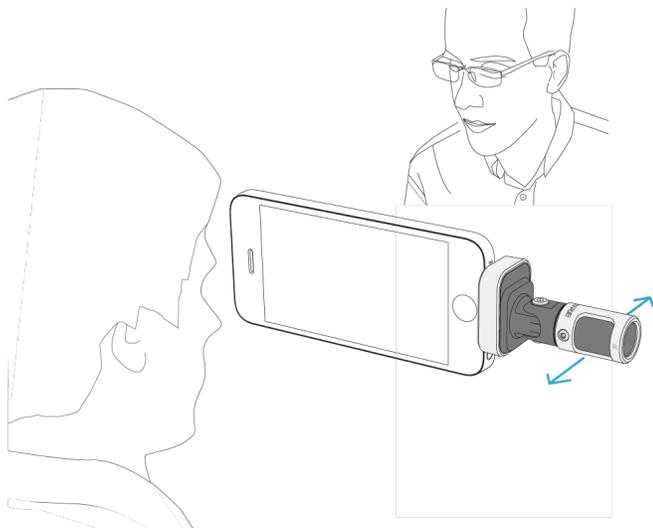
Landscape (Horizontal)

Aim the front of the microphone toward the source. The microphone can be connected in either orientation with the Lightning connector, so ensure that the left and right sides of the MV88 are facing the appropriate directions.



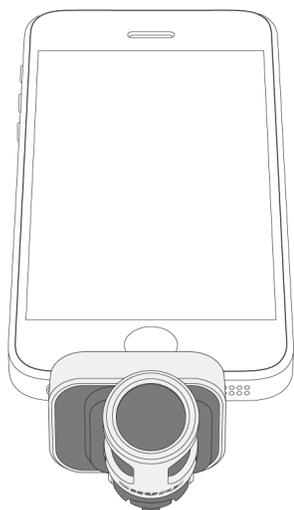
Video Interview

To capture the voices of both the subject (on-camera) and the interviewer (off-camera), select the MONO BIDIRECTIONAL preset in the ShurePlus MOTIV app. Position the microphone with the left and right sides facing each person.



Self-Recording (Video Streaming)

Set the device on a flat surface and angle the microphone toward your mouth. Select the MONO CARDIOID preset in the ShurePlus MOTIV app to reduce ambient noise.



Connecting Headphones with Inline Mics

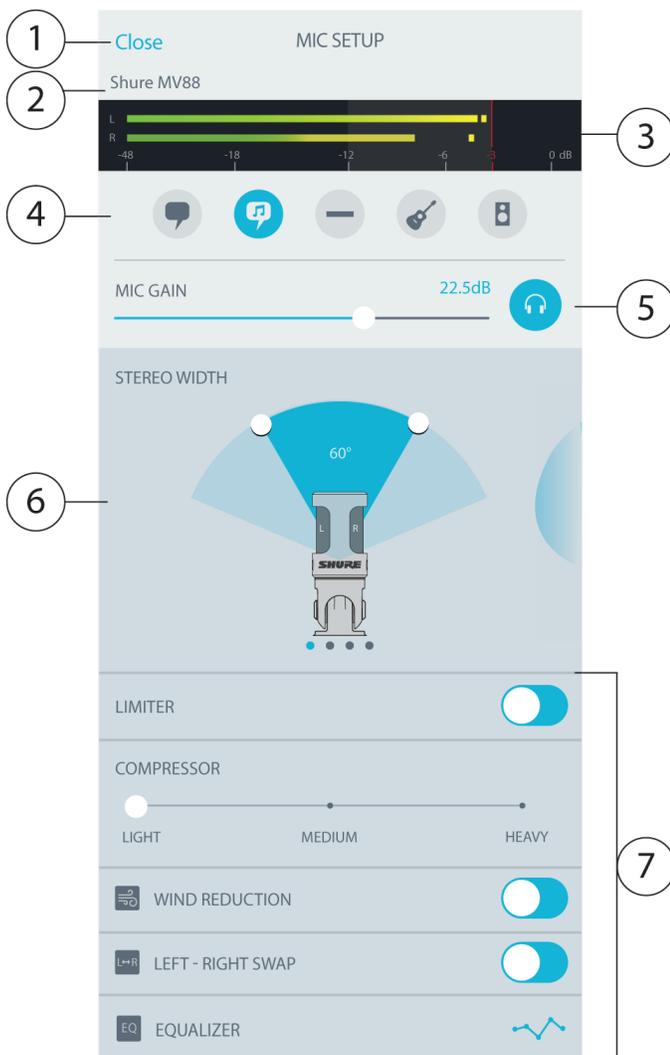


Headphone Monitor Adapting Cable

Use the included headphone monitor adapting cable for the following reasons:

- You require a slimmer connection to the headphone input on your recording device. The cable accommodates headphones and earphones with larger connectors.
- You want to disable the inline microphone on your headphones. The cable ensures that the recorded sound comes solely from the MV88 and not the headphone inline microphone.

Mic Setup



① Close	Tap Close to return to the record window.
② Connected Device Status	Status will display the model name of the connected MOTIV device.
③ Input Meter	Displays the strength of the mono or stereo input signal. The loudest peaks should reach within the target range (indicated by the shaded region of the input meter).
④ Preset Modes	Select a mode to set equalization and compression for specific applications. Refer to the "Preset Modes" topic for more details.
⑤ Microphone/Headphone Gain	Adjust to match the volume of the sound source. Monitor the input meter when making adjustments to ensure levels are in the target range (indicated by the shaded region of the input meter).

<p>⑥ Polar Pattern Selection</p>	<p>Swipe to choose between Stereo, Mono Cardioid, Mono Bidirectional or Raw Mid-Side pick-up patterns. Then adjust the stereo width of the pickup area.</p> <p>Tip: Consider the location of the microphone and the size of the sound source when adjusting the width. For example, a large orchestra or ensemble recording will benefit from a wide stereo image to achieve increased separation between instruments. Other applications, such as speech, benefit from a narrow width for improved clarity with rejection of ambient (room) sound.</p>
<p>⑦ Advanced Features</p>	<p>Select a preset mode, then fine tune your audio recording with advanced controls to dial in your sound. Your settings will be retained in the microphone. See "Wind Noise Reduction" and "Left-Right Channel Swap" for more details on these topics.</p> <ul style="list-style-type: none"> • Limiters: Use the Limiter to control volume peaks by setting an input threshold. • Compressor: Use the Compressor when your sound source is very dynamic. The compressor will narrow the dynamic range; quiet signals are boosted and loud signals are lowered. There are light and heavy compression options available. • Equalizer: Use the Equalizer to boost or cut bands of frequencies to improve sound clarity. The EQ icon in the Mic Setup screen displays user-selected equalization.

Preset Modes

Five selectable modes optimize settings for gain, stereo width, equalization, and compression to match your recording needs. Set the microphone level and try the modes to find which sounds best. Then adjust level if needed.

Mode	Application	Characteristics
 Speech	<p>Ideal for capturing speech</p>	<p>Narrow stereo width to reject background noise, equalization emphasizes clarity and fullness, and compression is gentle to keep levels consistent.</p>
 Singing	<p>Use to capture solo or group vocal performances</p>	<p>Medium stereo width with subtle equalization to add richness and clarity for a natural sound.</p>
 Flat	<p>Suited for any application</p>	<p>An unprocessed signal (no equalization or compression settings used). Adds flexibility when processing the audio after recording.</p>

Mode	Application	Characteristics
 Acoustic	Suited for acoustic instruments and quiet music applications	Medium stereo width with transparent compression to smooth out volume spikes and bring out quiet passages. The equalizer setting emphasizes detail and an overall natural sound.
 Band	Use to record bands and louder sources	Wide stereo to increase separation between sources. Equalization further improves definition by reducing frequencies that can make the instrumentation sound crowded.

Wind Noise Reduction



Wind Noise Reduction engages a low-frequency cutoff filter that reduces rumble caused by environmental noise. Use the included foam windscreen in combination with wind reduction to counteract rumble and plosives (bursts of air hitting the microphone).

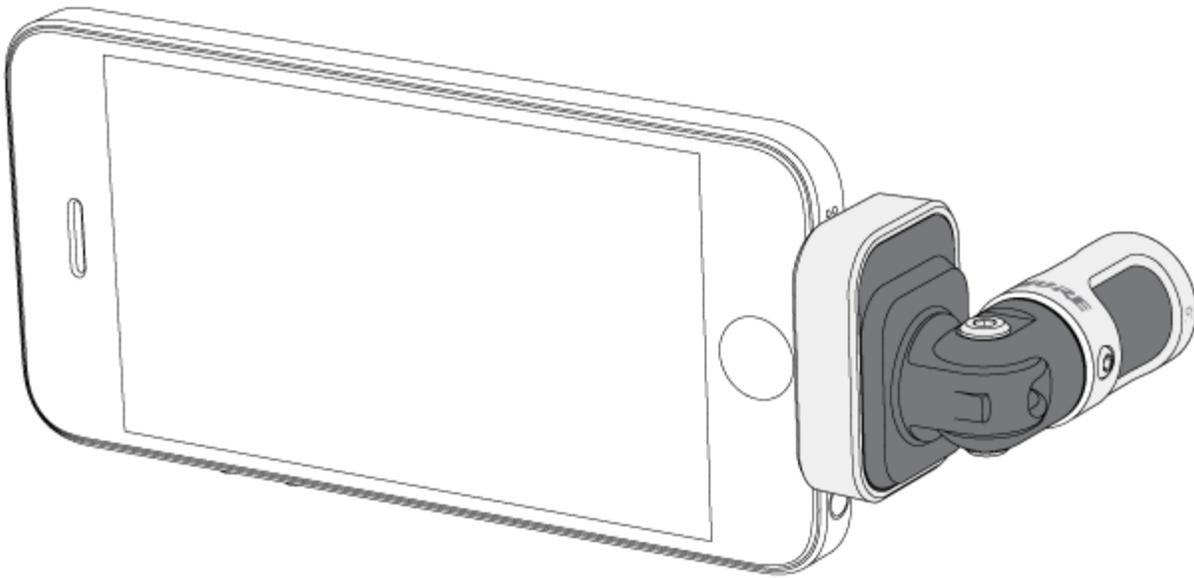
To further reduce wind noise, use the optional Rycote™ Windjammer, which fits over the included foam windscreen.

Left-Right Channel Swap

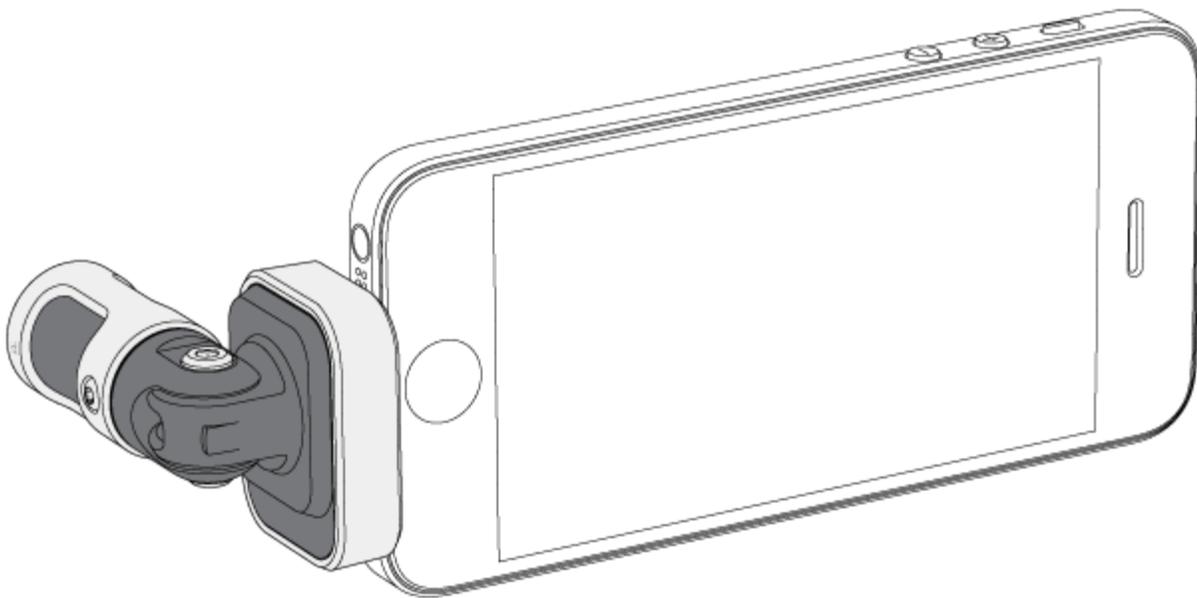


When recording in stereo, this feature flips the left and right audio channels to correctly match the stereo image to the video. This may be necessary for certain positions where the microphone is reversed, for example, when using the MV88 and iOS device to video yourself.

Tip: look at the L and R indicators on the microphone barrel to determine if the swap is necessary. This way you can set LR Swap before you start to record.



Standard



Swap enabled

In this example, left/right swap should be enabled when the phone is rotated.

Recording Tips

Turn Off Notifications

When you open the MOTIV app, a message prompts you to enable airplane mode and do not disturb mode. It's important to do this to avoid recording interference from phone calls, messages, and various notifications which can add static to your recordings.

Note: Enable airplane mode and then turn Wi-Fi back on to add geolocation information to your audio file.

Adjust your Sample Rate

Select a lower sample rate when it is useful to have a smaller file, for example, when recording speech or a podcast for download. Select a higher sample rate for music and dynamic recordings.

Record in Mono

Record in mono to increase your available record time or when recording a single source, like vocals, that would benefit from less ambient noise. Select the Mono Cardioid or Mono Bidirectional polar pattern and audio from all capsules are summed to a single channel. The input meter will indicate mono recording by displaying the top half of the waveform. MOTIV supports third-party microphones with mono recording.

Record in Stereo

The MV88 barrel pivots forward on a hinge and rotates 45 degrees to accommodate portrait or landscape recording. L and R are labeled to show stereo orientation of the microphone. The stereo image is accurate if the Shure logo is facing upward.

Capture the Complete Performance

To ensure that you capture the entire sound source, start your recording before the performance starts and edit the recording later to trim any silence.

Note: If your microphone accidentally becomes disconnected during recording, MOTIV will automatically stop the recording. The save file dialog will appear, prompting you to name and save your audio.

Record with Confidence with Automatic Save

If your microphone accidentally becomes disconnected during recording, MOTIV will automatically stop the recording. The save file dialog will appear, prompting you to name and save your audio.

Sharing MOTIV Recordings

Videos created by the MOTIV Video app can be shared from the MOTIV camera roll folder in your recording device.

Troubleshooting

Issue	Solution
MV88 is plugged in, but the volume meter does not register a signal.	Edit the privacy setting for your recording device under SETTINGS > PRIVACY > MICROPHONE to give the ShurePlus MOTIV app permission to use the microphone.
MV88 is plugged in, but the microphone is not detected.	Unplug and re-seat the microphone when the name of the microphone is not visible in the status bar.
LED light on MV88 is not visible	The LED is located at the base of the MV88. Because the Lightning connector allows you to insert the microphone in either orientation it is possible that the device is obscuring the LED. Remove the microphone, flip, and re-insert to check microphone status.
Audio sounds bad or distant.	To ensure that you are receiving audio from the MV88 and not a built-in microphone, unplug and reseat the MV88. The top left corner of the screen will identify the Shure MV88 when the microphone is correctly in place.
Audio quality changes when a headset is plugged in	Headsets with inline microphones can override the MV88 as the audio device. Use the included headphone monitor adapting cable to disable interference from other microphones. Make sure that you plug in your headset first and your MV88 last.
Audio is distorted	Use the audio meter to ensure that volume peaks are within the target range (the gray area). If the level reaches the red peak indicator of the input meter, turn the gain down.
Left/right stereo channels do not match video	Depending on the orientation of the recording device, it may be necessary to engage the Left-Right swap in MOTIV settings. If the audio has already been recorded, you can switch the left and right channels in most audio editing software.

System Requirements and Compatibility

iOS	iOS 10.0 and higher
iPhone	iPhone 5 and higher
iPod Touch	5th gen

Specifications

MFi Certified

Yes

DSP Modes (Presets)

Speech/Singing/Acoustic/Loud/Flat

Polar Pattern

Adjustable Width Stereo/Mono Bidirectional/Mono Cardioid/Mid-Side

Stereo Principle

Mid-Side

Frequency Response

20 Hz to 20,000 Hz

Adjustable Gain Range

0 to +36 dB

Sensitivity

-37 dBFS/Pa at 1 kHz ^[1] ^[2]

Maximum SPL

120 dB SPL ^[2]

Limiter

Yes

Compressor

Yes

Equalizer

5-band

[1] 1 Pa=94 dB SPL

[2]At Minimum Gain, Flat Mode

Certifications

Information to the user

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 the receiver.
- Connect the equipment to 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.

Industry Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B)

Note: Testing is based on the use of supplied and recommended cable types. The use of other than shielded (screened) cable types may degrade EMC performance.

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:

Shure Europe GmbH

Headquarters Europe, Middle East & Africa

Department: EMEA Approval

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