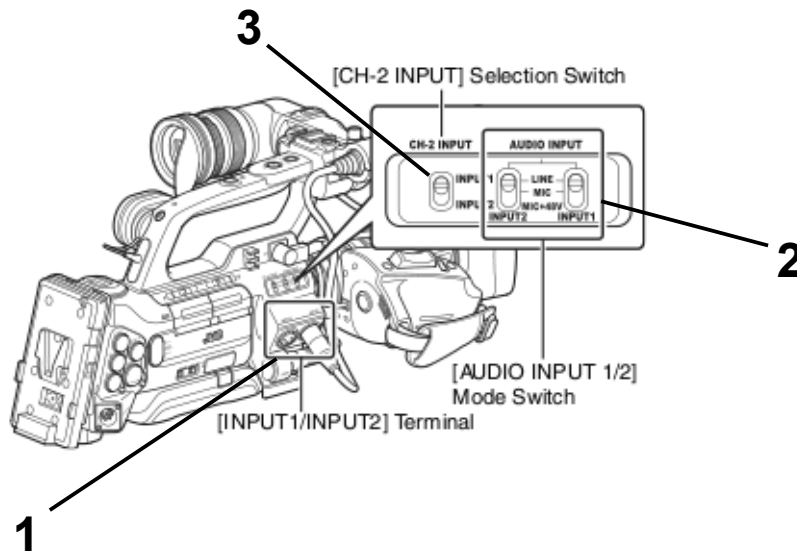


JVC GY-HM700

This guide will help you to correctly adjust the audio settings on the JVC GY-HM700.

Connecting to the Camera

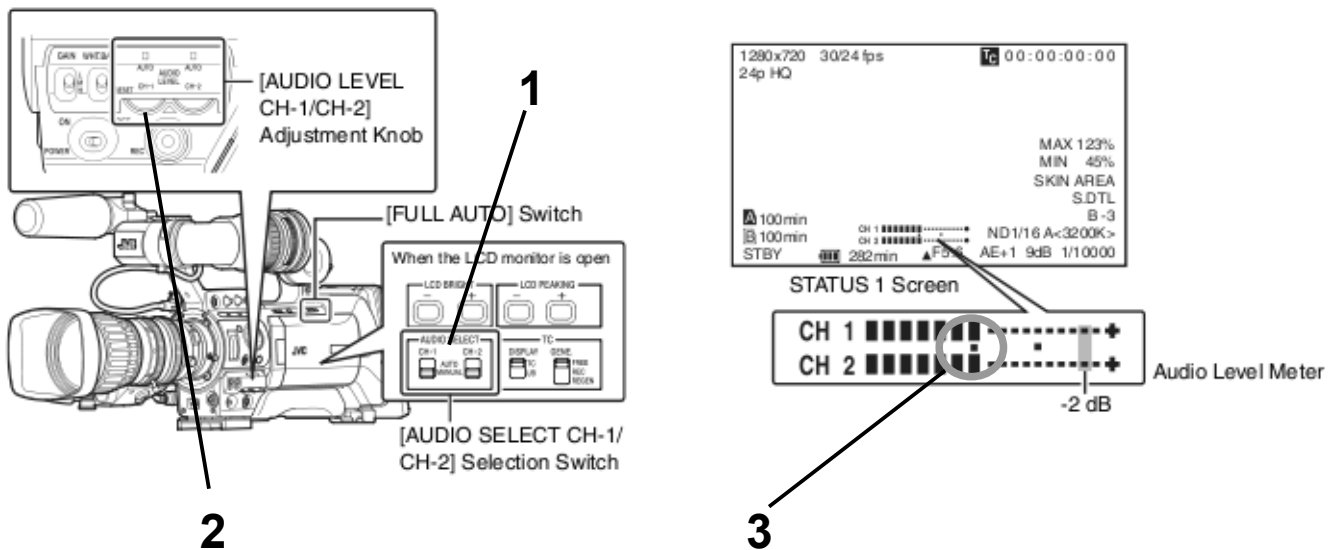


1. AUDIO INPUTS - This is where you plug in the mixer or microphones. There are two sockets – INPUT1 and INPUT2.
2. MODE SWITCH – This switch tells the input what size signal to expect. “LINE” is large (0.775V), “MIC” is tiny (0.000772V)
3. CH-2 INPUT SELECT – This switch decides which INPUT signal will be recorded onto CH-2.

WHEN USING A MIXER: Plug the mixer output “LEFT” into INPUT1 (1)
Plug the mixer output “RIGHT” into INPUT2 (1)
Set both the INPUT1 and INPUT2 MODE (2) switch to “LINE” (top)
Set the CH-2 INPUT SELECT (3) switch to INPUT2 (bottom)

WHEN **NOT** USING A MIXER: Plug your boom or radio mic into INPUT1 (1)
(AND ONLY 1 MIC) Set the INPUT1 MODE (2) switch to “MIC+48V”
Set the CH-2 INPUT SELECT (3) switch to INPUT1

Setting the Levels



1. AUDIO SELECT – This switch selects either automatic or manual control of the audio levels.
2. AUDIO LEVEL – These rotary wheels set the audio recording level.
3. AUDIO METER – (-20dBFS REFERENCE POINT) – This meter is shown on the LCD monitor. It shows the level of the audio signal coming into the camera.

WHEN USING A MIXER: Set both CH-1 & CH-2 AUDIO SELECT (1) switches to “MANUAL” (bottom).

Send 1KHz/0dBu (REFERENCE) TONE from the mixer.

Adjust both AUDIO LEVEL (2) wheels - until the AUDIO METER (3) shows the audio signal sitting at the -20dBFS REFERENCE POINT (circled in grey).

Put a bit of tape over the AUDIO LEVEL (2) wheels to prevent them from moving.

Turn off the 1KHz/0dBu TONE from the mixer.

IF YOUR MIXER DOES NOT HAVE A REFERENCE TONE GENERATOR SET BOTH AUDIO LEVEL (2) WHEELS TO “6”.

WHEN **NOT** USING A MIXER: Set the CH-1 AUDIO SELECT switch to “MANUAL” (bottom). (AND ONLY ONE MIC)

Place the mic in a good recording position and get your sound source (actor etc.) to make a sound (deliver lines, tell you what they had for breakfast etc.)

Adjust the AUDIO LEVEL (2) wheel for CH-1 until the AUDIO METER (3) shows the audio signal reaching **just above** the -20dB REFERENCE POINT (circled in grey) **at the loudest points.**

IF THE SOUND SOURCE YOU ARE RECORDING COULD BECOME UNPREDICTABLY LOUD, SET THE **CH-1 AUDIO SELECT (1) SWITCH TO “AUTO” (NOT RECOMMENDED).**

Menu Settings

The Audio Set Menu settings you should use if you're using a mixer are indicated by a black arrow

Audio Set Menu

Item	Setting Values	Function
Input1 Mic Ref. →	-50dB -60dB	For setting the reference input level when the [AUDIO INPUT1] button is set to "MIC" or "MIC+48V". -50dB : Sets -50 dB as the reference value. -60dB : Sets -60 dB as the reference value.
Input2 Mic Ref. →	-50dB -60dB	For setting the reference input level when the [AUDIO INPUT2] button is set to "MIC" or "MIC+48V". -50dB : Sets -50 dB as the reference value. -60dB : Sets -60 dB as the reference value.
Mic Wind Cut →	Both Input2 Input1 Off	For selecting whether to cut the low frequencies of the audio input signals (low-cut) when the [AUDIO INPUT 1/2] button is set to "MIC" or "MIC+48V". Set this item to reduce wind noise from the microphone. Both : Enables low-cut on both the [INPUT1] and [INPUT2] terminals. Input2 : Enables low-cut on the audio of the [INPUT2] terminal only. Input1 : Enables low-cut on the audio of the [INPUT1] terminal only. Off : Disables low-cut.
Audio Ref. Level →	-12dB -20dB	For setting the audio reference level to be recorded to the SDHC card. (Applies to both [CH1/CH2].) -20dB : Outputs signals of the reference level when the meter is at -20 dBFS. -12dB : Outputs signals of the reference level when the meter is at -12 dBFS.
Audio Limiter →	On Off	For specifying whether to trigger the limiter when the [AUDIO SELECT CH-1/CH-2] switch is set to "MANUAL". On : Triggers the limiter when excessive audio signals are input, and compresses the recording level. Off : Does not trigger limiter.
Test Tone →	On Off	For specifying whether to output the audio test signals (1 kHz) during color bar output. On : Audio test signals are output. Off : Audio test signals are not output.

The Audio Set Menu settings you should use if you're **NOT** using a mixer are indicated by a black arrow

Audio Set Menu

Item	Setting Values	Function
Input1 Mic Ref. →	-50dB -60dB	For setting the reference input level when the [AUDIO INPUT1] button is set to "MIC" or "MIC+48V". -50dB : Sets -50 dB as the reference value. -60dB : Sets -60 dB as the reference value.
Input2 Mic Ref. →	-50dB -60dB	For setting the reference input level when the [AUDIO INPUT2] button is set to "MIC" or "MIC+48V". -50dB : Sets -50 dB as the reference value. -60dB : Sets -60 dB as the reference value.
Mic Wind Cut →	Both Input2 Input1 Off	For selecting whether to cut the low frequencies of the audio input signals (low-cut) when the [AUDIO INPUT 1/2] button is set to "MIC" or "MIC+48V". Set this item to reduce wind noise from the microphone. Both : Enables low-cut on both the [INPUT1] and [INPUT2] terminals. Input2 : Enables low-cut on the audio of the [INPUT2] terminal only. Input1 : Enables low-cut on the audio of the [INPUT1] terminal only. Off : Disables low-cut.
Audio Ref. Level →	-12dB -20dB	For setting the audio reference level to be recorded to the SDHC card. (Applies to both [CH1/CH2].) -20dB : Outputs signals of the reference level when the meter is at -20 dBFS. -12dB : Outputs signals of the reference level when the meter is at -12 dBFS.
Audio Limiter →	On Off	For specifying whether to trigger the limiter when the [AUDIO SELECT CH-1/CH-2] switch is set to "MANUAL". On : Triggers the limiter when excessive audio signals are input, and compresses the recording level. Off : Does not trigger limiter.
Test Tone →	On Off	For specifying whether to output the audio test signals (1 kHz) during color bar output. On : Audio test signals are output. Off : Audio test signals are not output.