

Setting up a Panasonic® DSLR with a MixPre-3 or MixPre-6

This document describes configuration based on GH4 or GH5, running v2.5 firmware.

This documented setup fulfills the following requirements. Tweak as necessary to suit your needs.

- Three input sources: channel 1 – phantom mic; channels 2 & 3 – wireless receivers set to line out level
- Record stereo mix to both the DSLR and the MixPre
- Record ISOs, each of the three inputs to its own track, on the MixPre
- Confidence check the camera audio via the MixPre headphone output

Note: For the highest quality headphone monitoring, Sound Devices recommends using the MixPre's LR Stereo headphone preset instead of the camera output audio using the Camera Stereo preset.

- Timecode and record triggers from the camera's HDMI output to MixPre HDMI TC input

Connecting Camera to MixPre

To connect a Panasonic GH4 or GH5 to MixPre:

- ▶ Use the following diagram as a guide for connecting your camera to the MixPre:



Adjusting Settings on the Camera

This procedure assumes a working knowledge of the camera's menu structure.

To set up the GH4 / 5:

1. In the Motion Picture menu, turn off the Mic Level Limiter.
2. In the Motion Picture menu, set Mic Level Adj. to about -12 dB.
3. In the Setup menu, set headphone volume to about 12.

4. In the Motion Picture > Timecode sub-menu, set Count Up to FREE RUN and HDMI Timecode Output to ON.
5. In the Motion Picture > HDMI Rec Output sub-menu, set HDMI Recording Control to ON.

Adjusting Settings on the MixPre





You may manually configure the settings on the MixPre, as described in the following procedure, or download a MixPre Preset (.XML) file from the Sound Devices website, copy it to the MixPre's SD Card SETTINGS folder, and then load it to the MixPre, via the Presets sub-menu.

Links to preconfigured MixPre Preset files are provided here:

- For MixPre-3 users: [MP3-GH4_5.XML](#)
- For MixPre-6 users: [MP6-GH4_5.XML](#)

Note: Make sure to download & load the correct file for your MixPre mixer/recorder.

To manually adjust settings on the MixPre:

1. Tap  and page over to System > Mode and select Advanced.
2. In the Outputs menu, set St. Out Gain to -36dB.
3. Configure monitoring of the camera's audio via the MixPre by doing the following:
 - a. Set Inputs > Aux In Mode to Camera.
 - b. Set Inputs > Camera Gain to 20dB.
 - c. Tap  and set HP preset to Camera Stereo.
 - d. Use the headphone encoder to set the MixPre's headphone gain.
4. Configure the MixPre to receive timecode and record triggers from the camera.
 - a. Tap  and page over to Timecode > TC Mode and select HDMI TC In. After a few seconds, you will see the camera's timecode displayed on the MixPre's Home screen.
 - b. Tap  and page over to Record > Rec Trigger and select HDMI Flag In.
5. Press the Channel knobs and configure channels 1, 2 and 3 according to your hardware setup.

Note: The MixPre Preset files are preconfigured for a phantom mic on channel 1 and wireless receivers, set to Line Out on channels 2 and 3. Modify as needed.

6. Adjust gain for channels 1, 2 and 3 accordingly.

When you are ready, press Record on the camera. The MixPre will automatically start recording. Mix your audio, using Channel knobs 1-3.

Note: If you're experiencing any audio noise or hum, please refer to the [Tackling Ground Loop Noise Tech Note](#) on the Sound Devices website.

