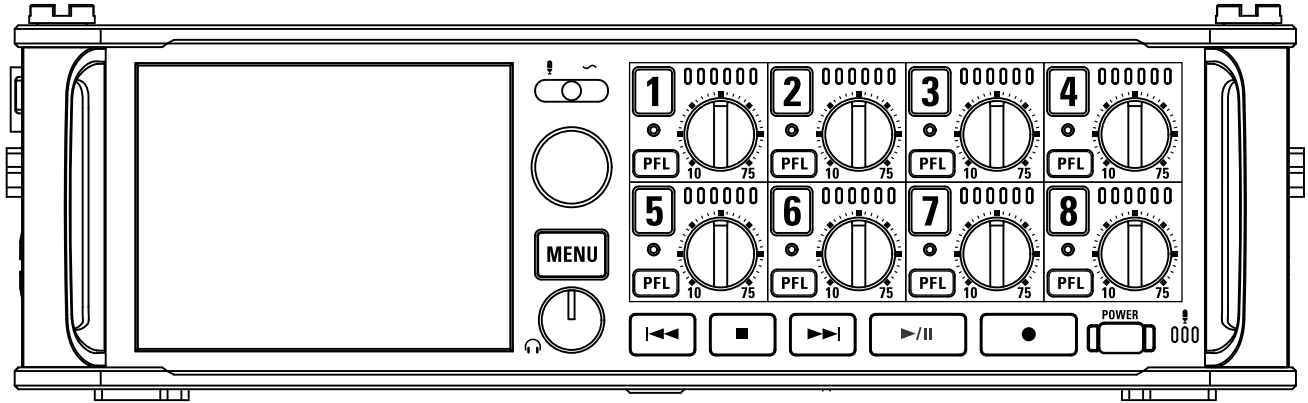
F8 MultiTrack Field Recorder

Version 4.0 Supplementary Manual



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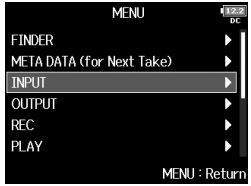
Setting the Ambisonic Mode

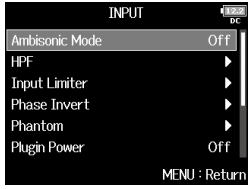
By connecting mics that can output ambisonics A-format signals to Inputs 1-4, audio can be converted to ambisonics B-format and recorded.

1. **Press MENU.**

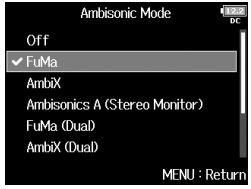
2. **Use ◯ to select INPUT, and press ◯.**



3. **Use ◯ to select "Ambisonic Mode", and press ◯.**



4. **Use ◯ to select the mode, and press ◯.**



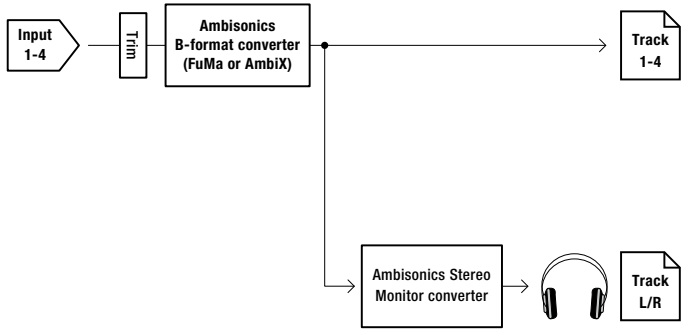
FuMa

This converts the signals from Inputs 1-4 to the ambisonics FuMa B-format, and saves them as a 4-channel polyphonic file.

AmbiX

This converts the signals from Inputs 1-4 to the ambisonics AmbiX B-format, and saves them as a 4-channel polyphonic file.

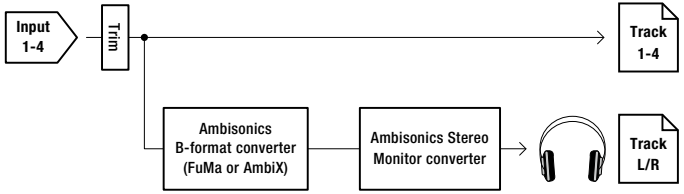
Mode: FuMa, AmbiX



Ambisonics A (Stereo Monitor)

This saves the signals from Inputs 1-4 as a 4-channel polyphonic file without converting them to an ambisonics B-format. The monitoring signal is converted to ambisonics B-format and then to an ordinary stereo signal.

Mode: Ambisonics A (Stereo Monitor)



FuMa(Dual)

This converts the signals from Inputs 1-4 to the ambisonics FuMa B-format, and saves them as a 4-channel polyphonic file.

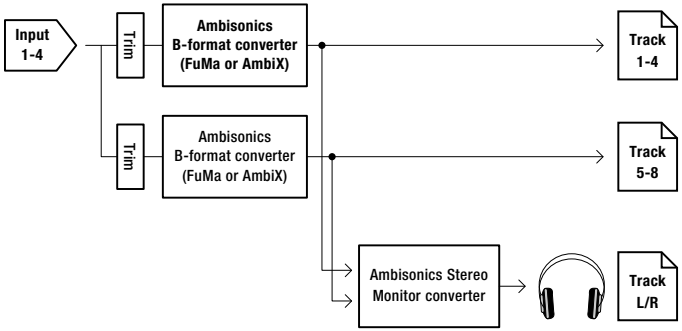
AmbiX(Dual)

This converts the signals from Inputs 1-4 to the ambisonics AmbiX B-format, and saves them as a 4-channel polyphonic file.

FuMa + AmbiX

This converts the signals from Inputs 1-4 to the ambisonics FuMa B-format, and records them to tracks 1-4. It also converts the signals from Inputs 1-4 to the ambisonics AmbiX B-format, and records them to tracks 5-8. These can be recorded at different input levels.

Mode: FuMa (Dual), AmbiX (Dual), FuMa + AmbiX



Setting the Ambisonic Mode (continued)

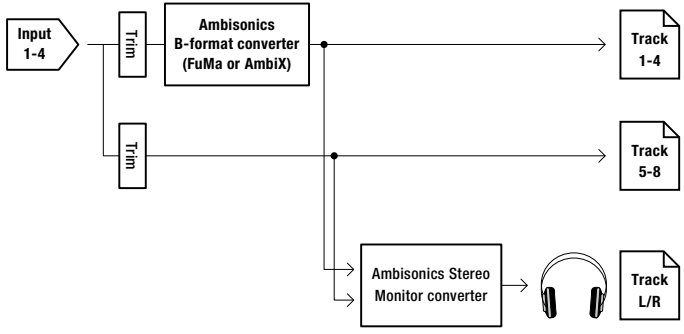
FuMa + Ambisonics A

This converts the signals from Inputs 1-4 to the ambisonics FuMa B-format, and records them to tracks 1-4. It also records the signals from Inputs 1-4 to tracks 5-8 without converting them to an ambisonics B-format. These can be recorded at different input levels.

AmbiX + Ambisonics A

This converts the signals from Inputs 1-4 to the ambisonics AmbiX B-format, and records them to tracks 1-4. It also records the signals from Inputs 1-4 to tracks 5-8 without converting them to an ambisonics B-format. These can be recorded at different input levels.

Mode: FuMa + Ambisonics A, AmbiX + Ambisonics A



NOTE

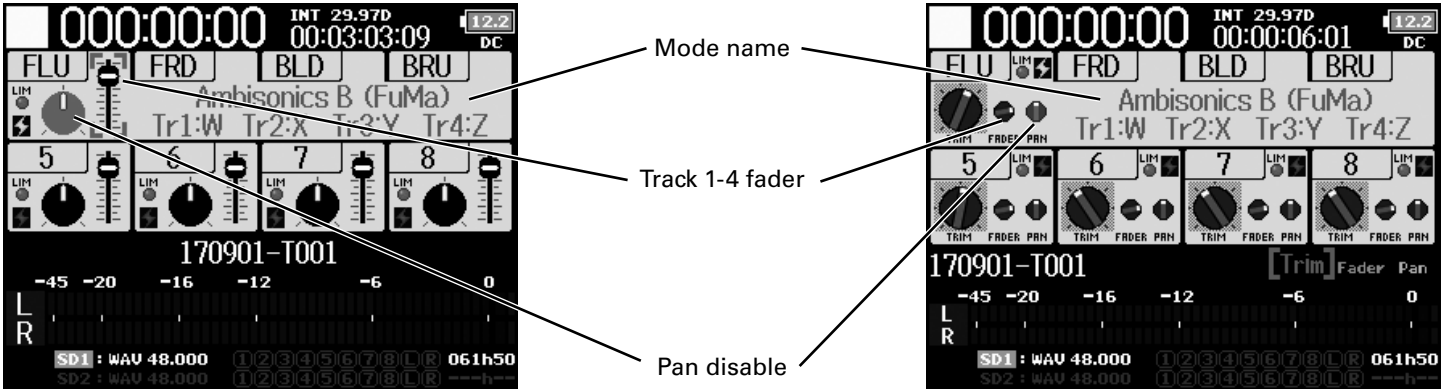
- The sampling rate can only be set to 192 kHz when Ambisonic Mode is Off.
- Ambisonic files are saved as 4-channel polyphonic files, not as mono or stereo files.
- A ZOOM mic capsule can only be used when Ambisonic Mode is Off.
- The following parameters cannot be set for tracks using Ambisonic Mode input.
  - Pan
  - Phase Invert
  - Side Mic Level
  - Input Delay
  - Stereo Link
  - Stereo Link Mode
  - Dual Channel Rec
  - Trim Link
- Files recorded when Ambisonic Mode is not Off will play back as ambisonic audio sources rather than ordinary 4-channel polyphonic files. For this reason, these tracks cannot the panned or muted during playback.

HINT

- Ambisonic Mode can be set during use as an audio interface (Multi Track).
- Even when Ambisonic Mode is Off, you can press track PFL to monitor their input sounds. When PFL mode is set to PFL, you can monitor sounds before they are converted to ambisonics B-format. When PFL mode is set to SOLO, you can monitor sounds after they are converted to ambisonics B-format.
- The input levels of the Ambisonic Mode input tracks are linked, so for Input 1 (or Input 5) can be used to adjust their input levels.
- The input enabled/disabled statuses of the Ambisonic Mode input tracks are linked, so the settings of all assigned tracks can be switched simultaneously by pressing any of their track keys.
- The following parameters that can be set on the PFL screen are linked for input tracks using Ambisonic Mode.
  - HPF
  - Input Limiter
  - Phantom
  - Fader
  - PFL Mode

Setting the Ambisonic Mode (continued)

When Ambisonic Mode is enabled, the Home Screen will appear as follows.



<Trim Knob Option: Trim>

<Trim Knob Option: Mixer>

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Z2I-3157-01