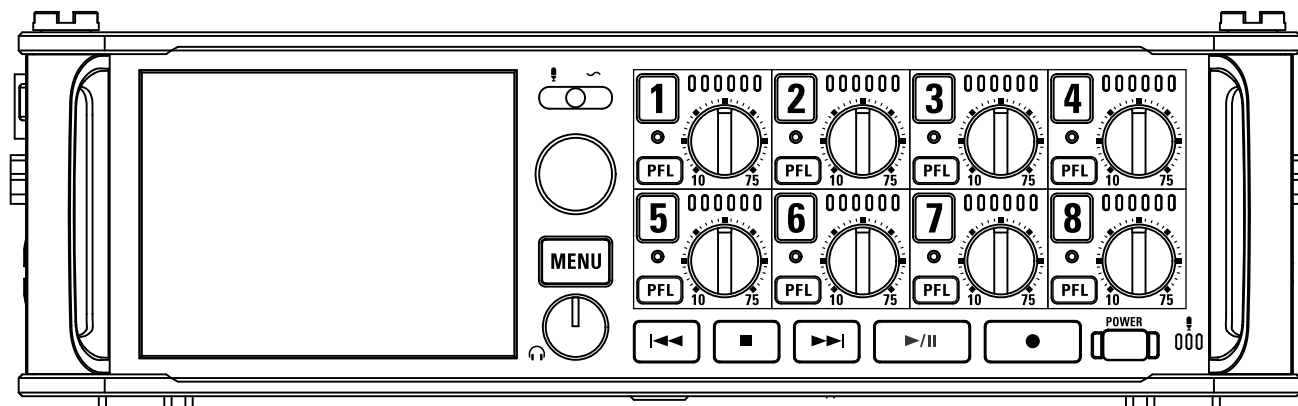




# F8

## MultiTrack Field Recorder

### Version 4.1 Supplementary Manual





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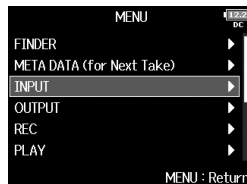
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## Setting the format of Ambisonic Mode

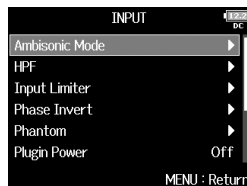
By connecting mics that can output ambisonics A-format signals to Inputs 1–4, audio can be converted to ambisonics B-format and recorded.



**1.** Press .

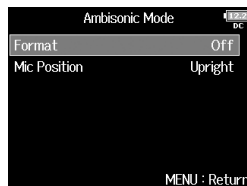
**2.** Use  to select INPUT, and press .





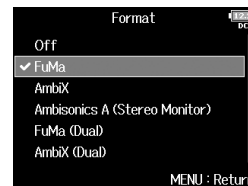
**3.** Use  to select "Ambisonic Mode", and press .



**4.** Use  to select "Format", and press .



**5.** Use  to select the format, and press .



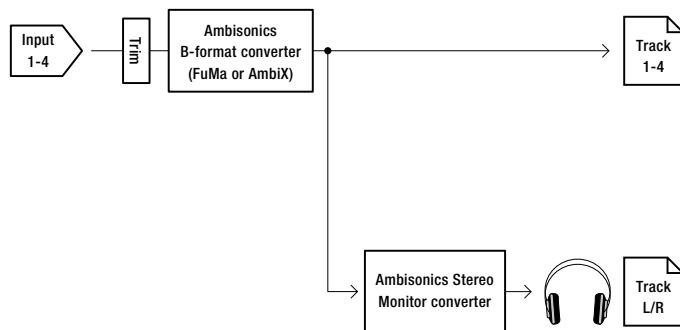
## FuMa

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.

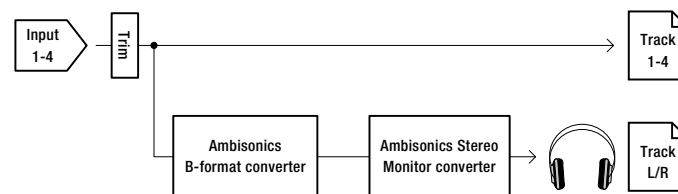
Format: FuMa, AmbiX



## 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.

Format: Ambisonics A (Stereo Monitor)



## Setting the format of Ambisonic Mode (continued)

### 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.

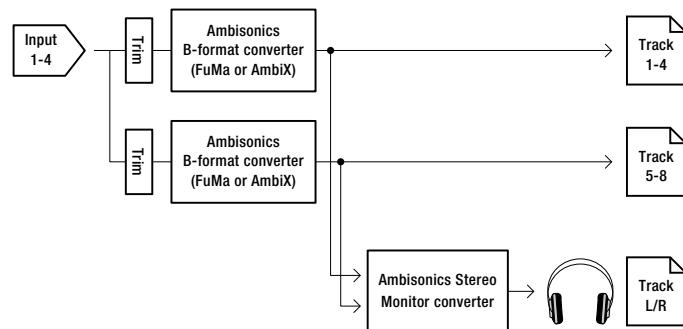
### AmbiX(Dual)

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.

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



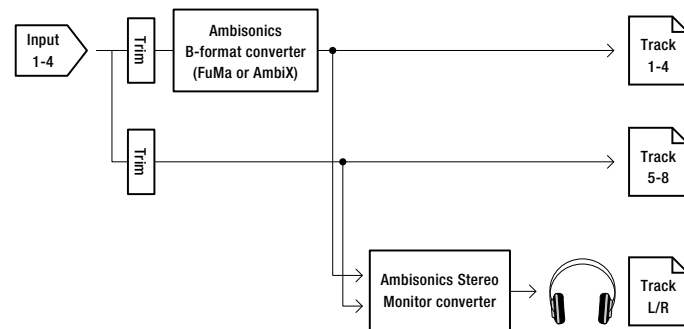
### FuMa + Ambisonics A

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.



Format: FuMa + Ambisonics A, AmbiX + Ambisonics A



**NOTE**

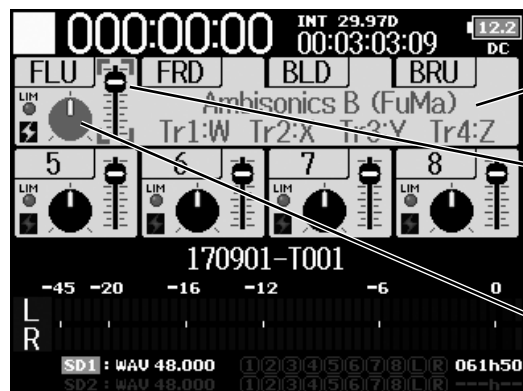
- The sampling rate can only be set to 192 kHz when the format of Ambisonic Mode is Off.
- Ambisonic files are saved as 4-channel polyphonic files, not as mono or stereo files.
- A ZOOM mic capsule can only be used when the format of Ambisonic Mode is Off.
- The following parameters cannot be set for 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 the format of 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 be panned or muted during playback.

**HINT**

- Ambisonic Mode can be set during use as an audio interface (MultiTrack).
- Even when the format of Ambisonic Mode is Off, you can press track  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 format of Ambisonic Mode (continued)

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

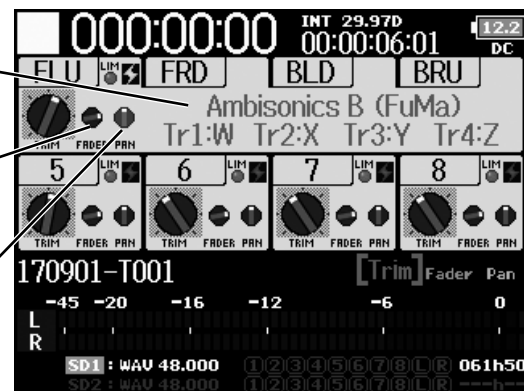


<Trim Knob Option: Trim>

Format name

Track 1-4 fader

Pan disable





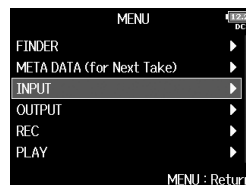
<Trim Knob Option: Mixer>



## Setting the mic position used for ambisonic recording (Mic Position)

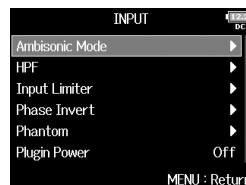
By setting the mic orientation used during ambisonic recording as an **F8** parameter, proper positioning can be maintained when converting to ambisonic B format if the mic orientation is changed from upright to upside down or horizontal.



1. Press .

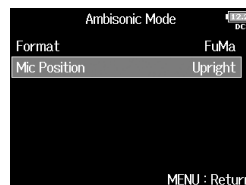
2. Use  to select INPUT, and press .



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



4. Use  to select "Mic Position", and press .

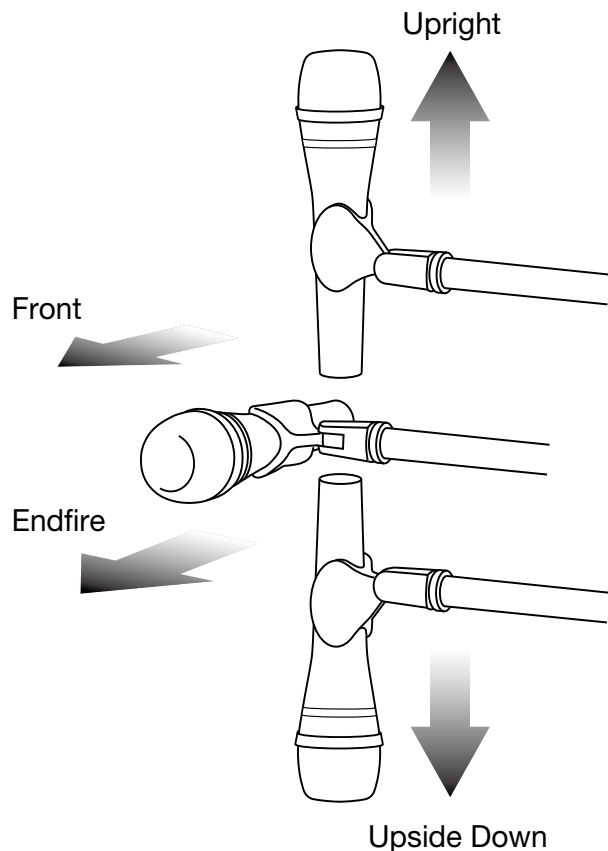


5. Use  to select the mic orientation, and press .



Setting value	Explanation
Upright	Use this setting to record with the mic upright.
Upside Down	Use this setting to record with the mic upside down.
Endfire	Use this setting to record with the mic oriented horizontally.

## Setting the mic position used for ambisonic recording (Mic Position) (continued)



### HINT

- Using the mic upright is recommended for ambisonic recording in order to minimize reflections from the floor and the mic itself.
- When it is difficult to use the mic in an upright orientation, you can place it upside down or pointing forward and change the Mic Position setting accordingly.

### NOTE

- If this setting and the mic position do not match, sound positioning will not be properly re-created during conversion to ambisonic B format.





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