

Chapter 6 Mixer Channel Strip Detail

This chapter explains in detail each of the settings available in the Mixer display for the Input Mixer, Track Mixer, and the Master Block. For general information about signal flow, busses, etc., see Chapter 5 “Using The Digital Mixer”.

I. Input Mixer

The following functions are found in the Input Mixer. Press the SELECT button for any Input to view and adjust the settings. Press the function button located under the display corresponding to the setting you wish to change. Or, press [←], [→], [↑], and [↓] to move the cursor to setting you wish to change. Use the TIME / VALUE dial to change the value.

[F1(Pan)] Pan

Assigns the channel to the Mix bus and determines the balance of the signal in the Master Stereo Mix.

(Mix Assign Switch)

On: The channel is assigned directly to the Mix bus. Set this to “on” when you simply want to mix an input without actually recording it.

Off: The channel is not assigned directly to the Mix bus.

(Pan Knob)

Sets the left-right balance (L63 - R63) of the channel in the Mix bus.

[F2(Low)], [F3(Mid)], and [F4(High)] Equalizer

Sw (Equalizer Switch)

Turns the EQ on and off. The EQ switch must be ON to make settings in the EQ section.

(Equalizer Select)

This setting selects how many bands of EQ are available on the channel.

2 Band EQ: Low and High bands are available.

3 Band EQ: Low, Mid, and High bands are available.

Low

This adjusts the gain (-12 dB to +12 dB) and the shelving frequency (40 Hz - 1.5 kHz) of the low band EQ.

Mid

This adjusts the gain (-12 dB to +12 dB) and the center frequency (200 Hz - 8 kHz), and the Q (filter sharpness) (0.5 - 16) of the mid band EQ. The Mid band is not available when “2 Band EQ” is selected.

High

This adjusts the gain (-12 dB to +12 dB) and the shelving frequency (500 Hz - 18 kHz) of the high band EQ.

ENTER Button

When the cursor is positioned inside the EQ section, the ENTER button will be blinking. Press [ENTER] to view a graphic display of the EQ settings.

[F6(PRM.V)] Parameter View / [F6(CH.V)] Channel View

Changes the display from Channel View to Parameter View. Press [F6(PRM.V)] to view the Parameter settings (such as Pan or Effect Send) for all channels. Press [F6(CH.V)] to view the entire mixer settings for just one channel.

[F1(EFX1)] Effect 1 Send

Channel settings for the Effect 1 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 1 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 1 Send Bus.

[F2(EFX2)] Effect 2 Send

Channel settings for the Effect 2 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 2 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 2 Send Bus.

[F3(EFX3)] Effect 3 Send

Channel settings for the Effect 3 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 3 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 3 Send Bus.

[F4(EFX4)] Effect 4 Send

Channel settings for the Effect 4 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 4 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 4 Send Bus.

[F5(AUX)] AUX Send

Channel settings for the AUX Bus. Sets the AUX Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the AUX bus.

Off: The channel is not sent to the AUX bus.

Pre: The signal is sent to the AUX bus before it passes through the mixer fader.

Post: The signal is sent to the AUX bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the AUX Bus.

Panning

Sets the panning (L63 - R63) of the channel to the AUX Send Bus.

[F1(Ef1In)] Effect 1 Insert

After pressing [F1(Ef1In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX1(Effect Insert Switch)

This sets how the effect is connected in the mixer.

Off: The effect is not inserted in the channel.

Ins: Both channels of the stereo effect are inserted into the channel.

InsL: The left channel of the effect is inserted into the mixer channel.

InsR: The right channel of the effect is inserted into the mixer channel.

InsS: Each channel of the effect is inserted in series into the mixer channel.

** When Ins or InsS is selected, that effect cannot be inserted on any other channel. When InsL or InsR is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F2(Ef2In)] Effect 2 Insert

After pressing [F2(Ef2In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX2(Effect Insert Switch)

This sets how the effect is connected in the mixer.

Off: The effect is not inserted in the channel.

Ins: Both channels of the stereo effect are inserted into the channel.

InsL: The left channel of the effect is inserted into the mixer channel.

InsR: The right channel of the effect is inserted into the mixer channel.

InsS: Each channel of the effect is inserted in series into the mixer channel.

** When Ins or InsS is selected, that effect cannot be inserted on any other channel. When InsL or InsR is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F3(Ef3In)] Effect 3 Insert

After pressing [F3(Ef3In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX3(Effect Insert Switch)

This sets how the effect is connected in the mixer.

- Off:** The effect is not inserted in the channel.
- Ins:** Both channels of the stereo effect are inserted into the channel.
- InsL:** The left channel of the effect is inserted into the mixer channel.
- InsR:** The right channel of the effect is inserted into the mixer channel.
- InsS:** Each channel of the effect is inserted in series into the mixer channel.

** When Ins or InsS is selected, that effect cannot be inserted on any other channel. When InsL or InsR is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F4(Ef4In)] Effect 4 Insert

After pressing [F4(Ef4In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX4(Effect Insert Switch)

This sets how the effect is connected in the mixer.

- Off:** The effect is not inserted in the channel.
- Ins:** Both channels of the stereo effect are inserted into the channel.
- InsL:** The left channel of the effect is inserted into the mixer channel.
- InsR:** The right channel of the effect is inserted into the mixer channel.
- InsS:** Each channel of the effect is inserted in series into the mixer channel.

** When Ins or InsS is selected, that effect cannot be inserted on any other channel. When InsL or InsR is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F1(Link)] Stereo Link

Use this setting to link or unlink adjacent mixer channels.

- On:** Adjacent channels are linked.
- Off:** Adjacent channels are not linked.

[F2(ATT)] Attenuation

Lowers or boosts the volume level (-42 dB to +6 dB) of the channel.

[F3 (Phase)] PHASE

This selects the Phase (NRM, INV) for each channel. Usually "NRM" is selected.

NRM: Normal phase (same phase as input). (Default setting).

INV: Inverted (opposite) phase.

[F1 (Meter)] METER

Switches the Meter Display in the Mixer screen between Pre Fader and Post Fader signal levels.

[F3 (Solo)] SOLO

Use this to turn the SOLO function on and off for a mixer channel.

[F4 (Mute)] MUTE

Use this to turn the MUTE function on and off for a mixer channel.

[F5 (Fader)] FADER

Controls the level (0 - 127) of the signal.

II. Track Mixer

The following functions are found in the Track Mixer. Press the SELECT button for any Track to view and adjust the settings. Press the function button located under the display corresponding to the setting you wish to change. Or, press [←], [→], [↑], and [↓] to move the cursor to setting you wish to change. Use the TIME / VALUE dial to change the value.

[F1(Pan)] Pan

Assigns the channel to the Mix bus and determines the balance of the signal in the Master Stereo Mix.

(Mix Assign Switch)

On: The channel is assigned directly to the Mix bus. Set this to "on" when you simply want to mix an input without actually recording it.

Off: The channel is not assigned directly to the Mix bus.

(Pan Knob)

Sets the left-right balance (L63 - R63) of the channel in the Mix bus.

[F2(Low)], [F3(Mid)], and [F4(High)] Equalizer**Sw (Equalizer Switch)**

Turns the EQ on and off. The EQ switch must be ON to make settings in the EQ section.

(Equalizer Select)

This setting selects how many bands of EQ are available on the channel.

2 Band EQ: Low and High bands are available.

3 Band EQ: Low, Mid, and High bands are available.

Low

This adjusts the gain (-12 dB to +12 dB) and the shelving frequency (40 Hz - 1.5 kHz) of the low band EQ.

Mid

This adjusts the gain (-12 dB to +12 dB) and the center frequency (200 Hz - 8 kHz), and the Q (filter sharpness) (0.5 - 16) of the mid band EQ. The Mid band is not available when "2 Band EQ" is selected.

High

This adjusts the gain (-12 dB to +12 dB) and the shelving frequency (500 Hz - 18 kHz) of the high band EQ.

ENTER Button

When the cursor is positioned inside the EQ section, the ENTER button will be blinking. Press [ENTER] to view a graphic display of the EQ settings.

[F5(V.Trk)] V-track Select

Selects the V-track (1 - 16) for playback or recording. The V-track setting is only available in the Track Mixer. The VS-1680 must be stopped before this value can be changed. A small box indicates a recording made on the V-track. A flat line indicates the V-track has not been recorded to.

[F6(PRM.V)] Parameter View / [F6(CH.V)] Channel View

Changes the display from Channel View to Parameter View. Press [F6(PRM.V)] to view the Parameter settings (such as Pan or Effect Send) for all channels. Press [F6(CH.V)] to view the entire mixer settings for just one channel.

[F1(EFX1)] Effect 1 Send

Channel settings for the Effect 1 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 1 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 1 Send Bus.

[F2(EFX2)] Effect 2 Send

Channel settings for the Effect 2 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 2 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 2 Send Bus.

[F3(EFX3)] Effect 3 Send

Channel settings for the Effect 3 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 3 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 3 Send Bus.

[F4(EFX4)] Effect 4 Send

Channel settings for the Effect 4 Bus. Sets the Effect Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the Effect bus.

Off: The channel is not sent to the Effect bus.

Pre: The signal is sent to the Effect bus before it passes through the mixer fader.

Post: The signal is sent to the Effect bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the Effect 4 Bus.

Panning

Sets the panning (L63 - R63) of the channel to the Effect 4 Send Bus.

[F5(AUX)] AUX Send

Channel settings for the AUX Bus. Sets the AUX Send Switch, the Send Level (0 - 127) and panning.

Sw (Effect Send Switch)

Switches the channel to the AUX bus.

Off: The channel is not sent to the AUX bus.

Pre: The signal is sent to the AUX bus before it passes through the mixer fader.

Post: The signal is sent to the AUX bus after it passes through the mixer fader.

Level

Sets the send level (0 - 127) of the channel to the AUX Bus.

Panning

Sets the panning (L63 - R63) of the channel to the AUX Send Bus.

[F1(Ef1In)] Effect 1 Insert

After pressing [F1(Ef1In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX1(Effect Insert Switch)

This sets how the effect is connected in the mixer.

Off: The effect is not inserted in the channel.

Ins: Both channels of the stereo effect are inserted into the channel.

InsL: The left channel of the effect is inserted into the mixer channel.

InsR: The right channel of the effect is inserted into the mixer channel.

InsS: Each channel of the effect is inserted in series into the mixer channel.

** When **Ins** or **InsS** is selected, that effect cannot be inserted on any other channel. When **InsL** or **InsR** is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F2(Ef2In)] Effect 2 Insert

After pressing [F2(Ef2In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX2(Effect Insert Switch)

This sets how the effect is connected in the mixer.

- Off:** The effect is not inserted in the channel.
- Ins:** Both channels of the stereo effect are inserted into the channel.
- InsL:** The left channel of the effect is inserted into the mixer channel.
- InsR:** The right channel of the effect is inserted into the mixer channel.
- InsS:** Each channel of the effect is inserted in series into the mixer channel.

** When **Ins** or **InsS** is selected, that effect cannot be inserted on any other channel. When **InsL** or **InsR** is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F3(Ef3In)] Effect 3 Insert

After pressing [F3(Ef3In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX3(Effect Insert Switch)

This sets how the effect is connected in the mixer.

- Off:** The effect is not inserted in the channel.
- Ins:** Both channels of the stereo effect are inserted into the channel.
- InsL:** The left channel of the effect is inserted into the mixer channel.
- InsR:** The right channel of the effect is inserted into the mixer channel.
- InsS:** Each channel of the effect is inserted in series into the mixer channel.

** When **Ins** or **InsS** is selected, that effect cannot be inserted on any other channel. When **InsL** or **InsR** is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F4(Ef4In)] Effect 4 Insert

After pressing [F4(Ef4In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX4(Effect Insert Switch)

This sets how the effect is connected in the mixer.

- Off:** The effect is not inserted in the channel.
- Ins:** Both channels of the stereo effect are inserted into the channel.
- InsL:** The left channel of the effect is inserted into the mixer channel.
- InsR:** The right channel of the effect is inserted into the mixer channel.
- InsS:** Each channel of the effect is inserted in series into the mixer channel.

** When Ins or InsS is selected, that effect cannot be inserted on any other channel. When InsL or InsR is selected, that effect can be inserted only on one other mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F1(Link)] Stereo Link

Use this setting to link or unlink adjacent mixer channels.

- On:** Adjacent channels are linked.
- Off:** Adjacent channels are not linked.

[F2(ATT)] Attenuation

Lowers or boosts the volume level (-42 dB to +6 dB) of the channel.

[F3 (Phase)] PHASE

This selects the Phase (NRM, INV) for each channel. Usually "NRM" is selected.

- NRM:** Normal phase (same phase as input). (Default setting).
- INV:** Inverted (opposite) phase.

[F1 (Meter)] METER

Switches the Meter Display in the Mixer screen between Pre Fader and Post Fader signal levels.

[F2 (Stats)] STATUS

After pressing [F2 (Stats)] or moving the cursor to the "Status" area, press [ENTER].

Displays the Track Status. (The Track Status is changed by pressing the STATUS button above the channel fader.)

- PLAY** The track is set for playback.
- MUTE** The track is muted.
- SOURCE** The input source or track assigned to the channel is heard.
- REC** The track is ready to be recorded, or is being recorded.

Use this area as another way to assign inputs, tracks, and effect returns to a track to be recorded. Move the cursor to the source, and use the TIME / VALUE dial to place a mark for all sources to be assigned to the track.

[F3 (Solo)] SOLO

Use this to turn the SOLO function on and off for a mixer channel.

[F4 (Mute)] MUTE

Use this to turn the MUTE function on and off for a mixer channel.

[F5 (Fader)] FADER

Controls the level (0 - 127) of the signal.

III. Master Block

The following functions are found in the Master Block section of the mixer. Press [EDIT/SOLO] to view and adjust the settings of the Master Block. Press the function button located under the display corresponding to the setting you wish to change. Or, press [↔], [⇨], [⇧], and [⇩] to move the cursor to setting you wish to change. Use the TIME / VALUE dial to change the value.

[F1(MST)] MASTER

Adjusts the level and balance of the Master Mix.

Level

This adjusts the volume level (0-127) for the Master jack. This is normally adjusted using the Master Fader on the top panel.

Balance

This adjusts the left-right balance (L63 - R63) for the Master jacks.

[F2(MON)] MONITOR

Adjusts the level and balance of the Monitor Mix.

Level

This adjusts the volume level (0-127) for the MONITOR jack. This is normally adjusted using the MONITOR knob on the top panel.

Balance

This adjusts the left-right balance (L63 - R63) for the MONITOR jacks.

[F3(AUX.A)] AUX A

This selects what signal is assigned to the AUX A jacks.

EFX1: The signal at the EFFECT 1 bus.

EFX2: The signal at the EFFECT 2 bus.

AUX1/EFX3: The signal at the AUX1 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 3 bus.

AUX2/EFX4: The signal at the AUX2 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 4 bus.

AUX3/AUX: The signal at the AUX3 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the AUX bus.

[F4(AUX.B)] AUX B

This selects what signal is assigned to the AUX B jacks.

EFX1: The signal at the EFFECT 1 bus.

EFX2: The signal at the EFFECT 2 bus.

AUX1/EFX3: The signal at the AUX1 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 3 bus.

AUX2/EFX4: The signal at the AUX2 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 4 bus.

AUX3/AUX: The signal at the AUX3 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the AUX bus.

[F5(DOUT1)] DIGITAL OUT 1

This selects what signal is assigned to the DIGITAL OUT 1 (coaxial) connector.

MST: The signal at the MASTER jacks (MIX bus).
MON: The signal at the MONITOR jacks.
EFX1: The signal at the EFFECT 1 bus.
EFX2: The signal at the EFFECT 2 bus.
AUX1/EFX3: The signal at the AUX1 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 3 bus.
AUX2/EFX4: The signal at the AUX2 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 4 bus.
AUX3/AUX: The signal at the AUX3 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the AUX bus.

[F6(DOUT2)] DIGITAL OUT 2

This selects what signal is assigned to the DIGITAL OUT 2 (optical) connector.

MST: The signal at the MASTER jacks (MIX bus).
MON: The signal at the MONITOR jacks.
EFX1: The signal at the EFFECT 1 bus.
EFX2: The signal at the EFFECT 2 bus.
AUX1/EFX3: The signal at the AUX1 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 3 bus.
AUX2/EFX4: The signal at the AUX2 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the EFFECT 4 bus.
AUX3/AUX: The signal at the AUX3 bus. Or, when a second VS8F-2 Effect card is installed in the VS-1680, the AUX bus.

[F1(Ef1In)] Effect 1 Insert

After pressing [F1(Ef1In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX1(Effect Insert Switch)

This connects the effect in the Master Block section of the mixer.

Off: The effect is not inserted.
Ins: The stereo effect is inserted into the Master Block.

** When Ins is selected, that effect cannot be used on any mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F2(Ef2In)] Effect 2 Insert

After pressing [F2(Ef2In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX2(Effect Insert Switch)

This connects the effect in the Master Block section of the mixer.

Off: The effect is not inserted.
Ins: The stereo effect is inserted into the Master Block.

** When Ins is selected, that effect cannot be used on any mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F3(Ef3In)] Effect 3 Insert

After pressing [F3(Ef3In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX3(Effect Insert Switch)

This connects the effect in the Master Block section of the mixer.

Off: The effect is not inserted.

Ins: The stereo effect is inserted into the Master Block.

** When Ins is selected, that effect cannot be used on any mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F4(Ef4In)] Effect 4 Insert

After pressing [F4(Ef4In)], or moving the cursor to the EFXIns area, press [ENTER].

EFX4(Effect Insert Switch)

This connects the effect in the Master Block section of the mixer.

Off: The effect is not inserted.

Ins: The stereo effect is inserted into the Master Block.

** When Ins is selected, that effect cannot be used on any mixer channel.*

Snd (Insert Send Level)

This adjusts the level of signal (-42 dB to +6 dB) sent to the effect. The default setting is 0 dB.

Rtn (Insert Return Level)

This adjusts the level of signal (-42 dB to +6 dB) returned from the effect. The default setting is 0 dB.

[F5(DIR)] DIRECT OUT

Select Tracks to be assigned as Direct Outputs.

Off: Direct out is not used.

1 - 8: Tracks 1 - 8 are output from the analog output jacks 1 - 8. When DIRECT OUT is used, the MASTER, MONITOR and AUX jacks are used for the direct track outputs. The signals at each of the DIGITAL OUT connectors can be set as usual.

Track 1:	MASTER jack (L)
Track 2:	MASTER jack (R)
Track 3:	AUX A jack (L)
Track 4:	AUX A jack (R)
Track 5:	AUX B jack (L)

- Track 6: AUX B jack (R)
- Track 7: MONITOR jack (L)
- Track 8: MONITOR jack (R)
- 9 - 16:** Tracks 9 - 16 are output from the analog output jacks 1 - 8. When DIRECT OUT is used, the MASTER, MONITOR and AUX jacks are used for the direct track outputs. The signals at each of the DIGITAL OUT connectors can be set as usual.
 - Track 9: MASTER jack (L)
 - Track 10: MASTER jack (R)
 - Track 11: AUX A jack (L)
 - Track 12: AUX A jack (R)
 - Track 13: AUX B jack (L)
 - Track 14: AUX B jack (R)
 - Track 15: MONITOR jack (L)
 - Track 16: MONITOR jack (R)

[F1(EFX1)] Effect 1 Master Send

Master Block settings for the Effect 1 Bus.

Level

Sets the master send level (0 - 127) of the Effect 1 Bus.

Panning

Sets the overall panning (L63 - R63) of the Effect 1 Send.

[F2(EFX2)] Effect 2 Master Send

Master Block settings for the Effect 2 Bus.

Level

Sets the master send level (0 - 127) of the Effect 2 Bus.

Panning

Sets the overall panning (L63 - R63) of the Effect 2 Send.

[F3(EFX3)] Effect 3 Master Send

Master Block settings for the Effect 3 Bus.

Level

Sets the master send level (0 - 127) of the Effect 3 Bus.

Panning

Sets the overall panning (L63 - R63) of the Effect 3 Send.

[F4(EFX4)] Effect 4 Master Send

Master Block settings for the Effect 4 Bus.

Level

Sets the master send level (0 - 127) of the Effect 4 Bus.

Panning

Sets the overall panning (L63 - R63) of the Effect 4 Send.

[F5(AUX)] AUX Master Send

Master Block settings for the Aux Bus.

Level

Sets the master send level (0 - 127) of the AUX Bus.

Panning

Sets the panning (L63 - R63) of the master AUX Send.