

Chapter 8 EZ Routing

When working with the VS-1680 you will make settings related to mixer connections, including settings to route inputs to tracks for recording, settings to determine where signals are output, and settings to determine which effects are used. These settings can be stored and recalled easily with the VS-1680. The function to easily setup and recall mixer settings is called **EZ Routing**. With EZ Routing, you can quickly recall the most effective and frequently used mixer settings for each action.

At the time of purchase, the VS-1680 comes with three read-only EZ Routing templates. The VS-1680 also offers 29 rewritable EZ Routing settings. You can choose one of the three templates, make changes to it, and then save those settings to one of the User Routings.

EZ Routing may seem similar to Mixer Scenes, however there is one important difference. Any User Routing created and saved using EZ Routing is available to use globally. This means the User Routing is available for every current song and for any new songs created.

There are two types of EZ Routing: **Templates**, which allow you to check and change the various settings from a single list; and **Step Edit**, where you can change the settings using a question / answer dialog. Once you select one of the three templates, it is possible to make changes in settings using the Step Edit method, as well.

The three write-only templates:

- Recording:** Select this when you want to record a new performance.
- Mix Down:** Select this when you want to adjust the balance of each track, and when you want to create a stereo master mix of your song using an external stereo recorder.
- Bouncing:** Select this when you want to merge or bounce several tracks down to one or two others.

I. Storing Settings Using a Template

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Press [PAGE] so "COMON" appears in the display above [F1]. The function buttons perform as described below:
 - [F1(COMON)]:** This displays the name of the current EZ Routing
 - [F2(INPUT)]:** Use this for making Input Mixer settings.
 - [F3(TRACK)]:** Use this for making Track Mixer settings.
 - [F4(EFX)]:** Use this for making Effect settings.
 - [F5(MST)]:** Use this for making Master Block settings.
 - [F6(SAVE)]:** This saves the current EZ routing.
3. Press the function button for the section you want to make settings in.
4. Use [←], [→], [↑], and [↓] to move the cursor and the TIME / VALUE dial to change values. If while making settings, the ENTER indicator blinks, press [ENTER] to adjust level and pan settings. After the level and pan settings are made, press [F6(EXIT)], or you can press [EXIT].

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5. When you have finished making EZ Routing settings for each of the main sections (Input, Track, EFX, and MST), press [F6(SAVE)].
6. The Routing Save screen appears in the display. Rotate the TIME / VALUE dial to select the destination routing number.

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6. Press [⇒] to move the cursor. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to set the User Routing name.
The function buttons work as shown below:
[F1(Hist)]: Pressing this button will take you through a list of the last 20 names entered, one at a time.
[F2(Clr)]: Clears all the characters in the window.
[F3(Del)]: Deletes the character where the cursor is positioned.
[F4(Ins)]: Inserts a space where the cursor is positioned.
[F5(Write)]: Stores the routing and exits the Routing Save screen.
[F6(EXIT)]: Exits the Routing Save screen without storing the routing.
7. After entering the name, press [F5(WRITE)]. The routing is saved.
8. Press [PLAY(DISPLAY)] to return to the Playlist display.

II. Storing Recording Settings

Select this when you want make a new recording from a source connected to one of the INPUT jacks. If you wish to cancel the settings procedure, press [F6(EXIT)].

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Press [F4(Exec)]. If "Exec" does not appear in the display above [F4], press [PAGE] until you see "Exec", and then press [F4(Exec)].

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3. Press [F1(Rec)].
4. Specify which input source is to be recorded to each track. To do this, first press the Input SELECT for the input you want to use, then press the Track STATUS button for the track you want to record on. Using this method, you can assign a single Input to be recorded on two different tracks. Use [⇐] and [⇒] to move the cursor and the TIME / VALUE dial to select the V-track you want to record on.

** You cannot assign a Stereo Linked Input to tracks which are not linked.
For example, it is not possible to assign the Digital Input to record on Tracks 3 and 4 unless you first turn Stereo Link to "On" for Track 3.*

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5. Press [F2(STEP →)].

6. Only the sources you specified during Step 4 will be shown. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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7. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
8. Make the settings for the effects. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values. Press [F3(EFX A)] to make settings to EFFECT A (EFX1/2); press [F4(EFX B)] to make settings to EFFECT B (EFX3/4).

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9. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
10. Decide whether or not to record the output of each Effect to a track. First, press the Effect SELECT button for Effect 1 or Effect 2, then press the STATUS button for the track you want the effect recorded on. To select EFX 3 or EFX 4, hold [SHIFT] and press the Effect SELECT button. You can also assign the output of an effect processor to be recorded on two different tracks.

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11. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
12. Select mixer channels to be output to the AUX bus. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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13. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
14. Select the Master Section settings. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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15. Press [F4(Exec)]. "EZ ROUTING Step Edit is finished!!" appears in the display.

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Press [YES] to apply the selected routing.

16. Press [F3(SAVE)]. The Routing Save screen appears in the display. Save the routing using the procedure described in Steps 5 - 8 of "Storing Settings Using a Template" (p. xx).

III. Storing Mixing Settings

Select this when you want to adjust the balance of each track, or to mix your song to an external 2 track recorder. Select this to use the Input Mixer during mixdown to mix external

sources along with your 16 tracks to the VS-1680's Stereo Master Mix output. If you want to cancel the settings procedure while in progress, press [F6(EXIT)] at any time.

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Press [F4(Exec)]. If "Exec" does not appear in the display above [F4], press [PAGE] until you see "Exec", and then press [F4(Exec)].

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3. Press [F2(Mix)].
4. Specify which sources are to be output to the MIX bus. Press the Input SELECT buttons and the track SELECT buttons for all mixer channels you want to include. Use [⇐] and [⇒] to move the cursor and the TIME / VALUE dial to select the V-track you want to playback.

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5. Press [F2(STEP →)].
6. Only the sources (Input Mixer Channels and Track Mixer Channels) you specified during Step 4 will be shown. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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7. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
8. Make the settings for the effects. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values. Press [F3(EFX A)] to make settings to EFFECT A (EFX1/2); press [F4(EFX B)] to make settings to EFFECT B (EFX3/4).

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9. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
10. Select mixer channels to be output to the AUX bus. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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11. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
12. Select the Master Section settings. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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13. Press [F4(Exec)]. "EZ ROUTING Step Edit is finished!!" appears in the display.

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Press [YES] to apply the selected routing.

14. Press [F3(SAVE)]. The Routing Save screen appears in the display. Save the routing using the procedure described in Steps 5 - 8 of "Storing Settings Using a Template" (p. xx).

IV. Storing Bouncing Settings

Select this when bouncing audio recordings from a group of tracks onto another track or tracks. To cancel the settings procedure, press [F6(EXIT)].

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Press [F4(Exec)]. If "Exec" does not appear in the display above [F4], press [PAGE] until you see "Exec", and then press [F4(Exec)].
3. Press [F3(Bounc)].

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4. Specify the source tracks for the bounce and the destination track(s). First press the Track SELECT for the source track, then press the Track STATUS button for the destination track. Using this method, you can assign a single source track to be recorded on two different destination tracks. Use [⇐] and [⇒] to move the cursor and the TIME / VALUE dial to select the V-track for both the source tracks as well as for the track you want to record on.

** You cannot assign a Stereo Linked Track to tracks which are not linked.*

For

example, it is not possible to assign source Tracks 9/10 to record on Tracks 3 and 4 unless you first turn Stereo Link to "On" for Track 3.

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5. Press [F2(STEP →)].
6. Only the source tracks you specified during Step 4 will be shown. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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7. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
8. Make the settings for the effects. Use [↑], [↓], [⇐], and [⇒] to move the cursor and the TIME / VALUE dial to adjust each of the values. Press [F3(EFX A)] to make settings to EFFECT A (EFX1/2); press [F4(EFX B)] to make settings to EFFECT B (EFX3/4).

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9. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
10. Decide whether or not to record the output of each Effect to a track. First, press the Effect SELECT button for Effect 1 or Effect 2, then press the STATUS button for the track you want the effect recorded on. To select EFX 3 or EFX 4, hold [SHIFT] and press the Effect SELECT button. You can also assign the output of an effect processor to be recorded on two different tracks.

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11. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
12. Select mixer channels to be output to the AUX bus. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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13. Press [F2(Step →)]. You can return to the previous screen by pressing [F1(STEP←)].
14. Select the Master Section settings. Use [↑], [↓], [←], and [→] to move the cursor and the TIME / VALUE dial to adjust each of the values.

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15. Press [F4(Exec)]. "EZ ROUTING Step Edit is finished!!" appears in the display.

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Press [YES] to apply the selected routing.

16. Press [F3(SAVE)]. The Routing Save screen appears in the display. Save the routing using the procedure described in Steps 5 - 8 of "Storing Settings Using a Template" (p. xx).

V. Recalling EZ Routing Settings

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Use [↑], [↓], [←], and [→] or use the TIME / VALUE dial to move the cursor to the routing you want to use.
3. Press [F4(Exec)]. If "Exec" does not appear above [F4], press [PAGE] until you see "Exec" above [F4], then press [F4(Exec)].

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4. Press [↑] and [↓] to move the cursor to "Use Template" and press [F4(Exec)] once more. "Apply this ROUTING ?" appears in the display.
5. Press [YES]. (Or, if you wish to cancel the operation, press [NO].) The EZ Routing is recalled.
6. Press [PLAY(DISPLAY)] to return to the Playlist display.

VI. Deleting EZ Routing Settings

1. Press [EZ ROUTING]. The EZ Routing icon appears in the display.
2. Use [↑], [↓], [←], and [→] or use the TIME / VALUE dial to move the cursor to the routing you want to delete.
3. Press [F6(Del)]. If "Del" does not appear above [F6], press [PAGE] until you see "Del" above [F6], then press [F6(Del)]. "EZ ROUTING Delete OK ?" appears in the display.
4. Press [YES]. (Or, if you wish to cancel the operation, press [NO].) The EZ Routing is deleted. The three original Preset Routings "Recording", "Mix Down", and "Bouncing" cannot be deleted.
5. Press [PLAY(DISPLAY)] to return to the Playlist display.