

Roland®  
**VS-1680**  
24-BIT DIGITAL STUDIO  
WORKSTATION

**TURBOSTART**

\*\*\* ROLAND VS-1680 TURBO FACTS \*\*\*

The VS-1680 is a major breakthrough in power and performance in a portable 24-bit Digital Studio Workstation. Features include:

- 16 Track playback, 8 Track simultaneous recording
- Huge 320 x 240 dot LCD for easy operation
- Advanced waveform editing with 999 levels of undo
- Four stereo multi-effects processors with two optional 24-bit VS8F-2 Effects Boards
- 26 channels of automated digital mixing with EQ
- 24-bit MT-PRO recording mode for superb dynamic range and phenomenal sounding recordings
- Optional CD writer for audio recording as well as data backup
- SCSI transfer of digital audio using third party software
- EZ routing guides the user through all the steps needed for recording, bouncing and mixing
- 1000 markers, 64 locator points, 8 Scenes, tempo maps, MTC, MMC and MIDI Clock syncing

**Loading the Demo Song**

The VS-1680 ships pre-loaded with several demo songs.

Use the following procedure to select a song:

- 1) While holding SHIFT press F1 "SONG."
- 2) Press PAGE repeatedly until SEL is displayed above F1.
- 3) Press F1 "Select."
- 4) Use the TIME/VALUE dial to select the demo song "Seems So Right" and press F4 "Exec."
- 5) Press YES. If "Re-Load Current?" is displayed, press YES.

**Listening to the Demo Song**

Use the following procedure to load a scene and listen to the demo song:

- 1) Press SCENE, so it is lit and press the #1 button.
- 2) Press PLAY after the scene has loaded.
- 3) Use the Master Fader to control the level of the song.
- 4) Use the Channel Faders to adjust the levels of the Tracks.
- 5) Press STOP to halt playback.
- 6) Press ZERO to return to the beginning of the song.
- 7) Use the FF and REW buttons to move forwards and backwards in one second steps.
- 8) Press SCENE so it is lit and press the #2 button to load Scene #2 which is an acoustic version of the song. Press PLAY. Try loading other Scenes.
- 9) Press SCENE so it is lit and press the #1 button to re-load Scene #1.

**Playing the Virtual Tracks in the Demo Song**

The Demo Song "Seems So Right" has 3 vocal parts recorded on Virtual Tracks 1,2, and 3 of Track 8. Use the following procedure to select Virtual Tracks:

- 1) Press the TRACK SELECT button for Channel #8.
- 2) CURSOR to 'V. Trk' in the upper left hand corner.
- 3) Use the TIME/VALUE dial to select "V Track #2."
- 4) Press PLAY. You should now hear a female voice singing the lead vocal.

*NOTE: The VS-1680 must be stopped to change V Tracks.*

**Using the Internal Effects (w/VS8F-2)**

The VS-1680 can have up to 4 independent stereo effects processors on board using 2 optional VS8F-2 Effects Expansion Boards. Use the following procedure to apply effects to the guitar track:

- 1) Press SCENE so it is lit and press the #4 button. Press Locator button # 6 then press AUTOMIX so it is not lit.
- 2) Press the TRACK SELECT button for Channel #6.
- 3) CURSOR to "EFX Ins" and press ENTER/YES. Press PLAY.
- 4) CURSOR to "EFX2" and use the TIME/VALUE DIAL to select "Off." You should now hear the track with no effects.
- 5) Press STOP and use the TIME/VALUE DIAL to select "Ins."
- 6) Hold SHIFT and press F3 "EFX A" then press F4 "EFX2."
- 7) Press F2 "Sel" and use the TIME/VALUE DIAL to select "P055 BluesDrv" and press F4 "Exec." Press Locator #6 then press PLAY.
- 8) Press F2 "Sel" and use the TIME/VALUE DIAL to select another effect (try P059 SLDN Lead) and press F4 "Exec."
- 9) Press PLAY/DISPLAY to return to the main screen.

**EZ Routing**

EZ Routing makes it simple to set up the VS-1680 for most recording and mixing applications. Use the following procedure to configure the VS-1680 to record Input 1 on Track 4:

- 1) Press EZ ROUTING and CURSOR to [Recording].
- 2) Press F4 "Exec" followed by F1 "Rec."
- 3) Press the Input 1 SELECT button followed by the Track 4 STATUS button. A line should appear in the display connecting Input 1 to Track 4.
- 4) Use the TIME/VALUE DIAL to select a V Track to record to and press F2 "Step→."
- 5) Use the CURSOR buttons and the TIME/VALUE DIAL to set the Panning and Level and press F2 "Step→."
- 6) Use the CURSOR buttons and the TIME/VALUE DIAL to select the desired Effects and press F2 "Step→."
- 7) Press F2 "Step→" twice.
- 8) Press F4 "Exec" followed by ENTER/YES.
- 9) Press PLAY/DISPLAY. The VS-1680 is now ready to record.
- 10) Re-load the song "Seems So Right" when you are finished (See "Loading the Demo Song").

*NOTE: The Demo songs in the VS-1680 are protected so you will not be able to record in these songs.*

**Using the Waveform Display**

You can display the waveform for any track for more precise editing. Use the following procedure:

- 1) Press PLAY/DISPLAY to return to the main screen (if necessary).
- 2) Use the UP/DOWN CURSOR buttons to select a Track.
- 3) Press the PAGE button repeatedly until WAVE is displayed above F5. Press F5 "WAVE."
- 4) Use F1, F2, F3, and F4 to adjust the view of the waveform.
- 5) Use REW and FF to move to a different point of the song.
- 6) Press F5 "WAVE" to exit.

The VS-1680 can lock to SMPTE for video post-production or music applications by adding a SMPTE to MTC converter. Several VS-1680s can be linked together with simple MIDI and audio connections. This locks the unit's clocks together and provides a single audio output for all units.