
It's a Fact...

The XV-2020 is a 64-voice expandable synthesizer module. Features include:

- Half-rack synth module with 64MB of XV sounds
- 64-voice polyphony and 16-part multitimbral operation
- Presets include 768 patches, 17 rhythm sets and 64 performances
- Expandable via 2 SRX-Series Wave Expansion Boards
- USB port for easy MIDI connection and control via software
- 3 independent effects processors: reverb, chorus, and 40 multi-effects
- Stereo 1/4" and RCA outputs
- Includes editing software for Mac or PC

Playing the Demo Songs

Here's how to play the four demo songs:

1. Turn the CATEGORY/BANK knob to select Demo. "ALL" flashes on the screen.
2. Turn the VALUE dial to select the demo song you wish to hear: d-1, d-2, d-3, d-4 or ALL.
3. Press the VALUE dial to begin playback.
4. Press the VALUE dial to end playback.
5. Turn the CATEGORY/BANK knob to another position to exit Demo mode.

Selecting Patches

The XV-2020 has 768 internal patches and can have over 1500 when fully expanded! The patches are organized into categories such as Piano, Guitar, Orchestra, and so on. Use the following procedure to connect a MIDI controller to the XV-2020, and to select and audition patches:

1. Use a MIDI cable to connect the MIDI OUT of a MIDI controller to the MIDI IN of the XV-2020.
2. Press the XV-2020's VALUE dial so the indicator next to PATCH lights.
3. Turn the CATEGORY/BANK dial to select the category that contains the type of sound you wish to use.
4. Turn the VALUE dial to choose a sound within the selected category.
5. Then:
 - Play the keyboard on the MIDI controller, or
 - Press the XV-2020's VOLUME dial to play a short preview phrase.

Selecting Performances

A performance is any combination of up to 16 patches and rhythm kits, plus effects and MIDI settings. You can use performances to create splits and layers. You can also set up parts that respond to separate MIDI channels, for sequencing.

There are 128 performances in the XV-2020—64 presets and 64 that are user-programmable. Let's try out some cool performances that show what the XV-2020 can do with splits and layers:

1. Use a MIDI cable to connect the MIDI OUT of a MIDI controller to the MIDI IN of the XV-2020.
2. Press the XV-2020's VALUE dial so the indicator next to PERFORMANCE lights.
3. Turn the CATEGORY/BANK dial to select USER.
4. Turn the VALUE dial to select the following performances.
 - *04 Trance Split*—splits the keyboard
 - *05 My Orchestra*—demonstrates layers
 - *20 Dawn Choir*—demonstrates layers
 - *27 Asian Split*—splits the keyboard
 - *36 Huge Space*—demonstrates layers

Setting Up for Sequencing

Performances allow you to set up the XV-2020 for use with a sequencer:

1. Press the VALUE dial so the indicator next to PERFORM lights.
2. Turn the CATEGORY/BANK dial to select the PST-B (Preset-B) bank.
3. Turn VALUE to dial in "14" on the display.

Note: *Presets-B 14-32 are all good templates to start with when sequencing. They assign the 16 MIDI channels to Parts 1-16, respectively, and assign a different sound to each part.*

4. Turn the PART dial to select the desired part—Part 1 for MIDI Channel 1, Part 2 for MIDI Channel 2, etc.—and then turn the CATEGORY and VALUE dials to select the desired sounds as described in "Selecting Patches."

Setting Up for General MIDI Use

The XV-2020 is GM- and GM2-compatible. This means that any of the thousands of Standard MIDI Files (SMFs) that are available commercially will play back correctly on the XV-2020.

Use the following procedure to prepare the XV-2020 for use with a sequencer playing an SMF:

1. Connect the MIDI OUT of your sequencer to the MIDI IN of the XV-2020.
2. Press the XV-2020's VALUE dial so the indicator next to GM lights.

Note: Many professionally produced Standard MIDI Files include a special message at the start of the song that automatically switches the XV-2020 into GM mode. Therefore, you may not need to prepare the XV-2020 manually as described here.

Connecting the XV-2020 to a Computer

Use the following procedure to connect the XV-2020 to a computer via USB:

Note: Install the XV software from the XV Editor CD-ROM onto your computer before connecting the computer to the XV-2020. See Pages 13-30 in the XV-2020 Owner's Manual for information on your specific setup.

1. After the software has been installed, connect a USB cable from the USB connector on the front panel of the XV-2020 to one of the USB connectors on your computer.
2. Follow the remaining directions onscreen and in the XV-2020 Owner's Manual to complete the setup.

Note: You can connect the XV-2020 to your computer using a MIDI interface instead of a direct USB connection to operate the XV-2020 strictly as a MIDI sound module. If you do so, you don't have to install the XV Editor software unless you wish to use it.

Setting Up the XV-2020 Editing Software

The XV-2020 includes Editor and Librarian software applications for both Mac OS 9.X and Windows 98/ME/2000/XP computers. Use the following procedures to set up the software once it has been installed and you have connected the XV-2020 to your computer.

XV Editor Software

1. Launch the XV Editor application.
2. Click Setup > Setup MIDI Device...
3. Select Roland XV-2020 for the four Input and Output boxes, and then click OK.
4. Click Setup > Setup Expansion Boards...
5. If you have any SRX-series Expansion Boards installed in the XV-2020, select them from the lists here and click OK.

XV Librarian Software

1. Launch the XV Librarian application.
2. Click Setup > Setup MIDI Devices...
3. Select Roland XV-2020 for the four Input and Output boxes, and then click OK.
4. Click Setup > Select Target Model...
5. Select the XV-2020 radio button and then click OK.

Settings on XV-2020

1. Press and hold the VOLUME dial, and then press the VALUE dial.
2. Turn the CATEGORY/BANK dial to GTR/BS and turn the VALUE dial to select On. This tells the XV-2020 to talk to the computer using USB.
3. Press the VALUE dial to confirm your choice of USB communication.
4. Turn the XV-2020 off, and then back on.