

A/V Rack: Recording S-VHS with the DVD-R

The Pioneer PRV-LX1 DVD-R allows you to record video as you would with a VCR. This document describes the process of creating the simplest DVD possible. It will not have a menu, nor will it have chapters aside from those which are created when you stop and restart recording (for instance when switching source tapes).

This document describes how to record a DVD from S-VHS. You can also use this same procedure to capture from a regular VHS tape, if it has been recorded at the "SP" speed (highest quality, normally 2 hours).

You will need three things for this process:

- Your S-VHS (or VHS) tape(s) containing the source material.
- A blank DVD-R disc.
- An idea of the total running time of the material you wish to record on the DVD-R

Making the Connections

1. On the **Autopatch**, do the following:
 - a. Patch the **S-VHS deck** to **VMON1** and the **DVD-R**. This will send the audio and video from the S-VHS deck to the DVD-R. It will also allow you to monitor the video coming directly from the S-VHS deck using VMON1.
 - i. Press [Change]
 - ii. Press S-VHS (on the input side)
 - iii. Press VMON1 (on the output side)
 - iv. Press DVD-R (on the output side)
 - v. Press [Take]
 - b. Patch the **DVD-R** to **VMON2**. This will allow you to monitor the video coming into the DVD-R using VMON2, which is located above the DVD-R in the A/V Rack.
 - i. Press [Change]
 - ii. Press DVD-R (on the input side)
 - iii. Press VMON2 (on the output side)
 - iv. Press [Take]
2. On the **S-VHS deck**, locate the "remote" switch in the group of five switches on the left-hand side, and set it to "local".

Configuring the DVD-R

3. On the **DVD-R** Press "FUNCTION", and a colorful interface will appear on VMON2.
4. Adjust the input settings.
 - a. Using the cursor keys and "ENTER" button, move the cursor to the right and set the following options on the initial screen:

- i. Drive: DVD1
 - ii. V Input: Component(SMPTE)
 - iii. A Input: XLR
5. Adjust the Menu type.
 - a. Using the cursor keys and "ENTER" button, navigate from the initial screen to the "DVD Menu" menu, select the "Menu Type" option, and choose "No Menu"
 - b. This will prevent the DVD-R from creating the default menu, which, unless you plan on taking the time to select thumbnails and name the chapters, is not very useful.
6. Navigate back to the initial screen, using the cursor keys and "ENTER" button to select "Back" from the menu.
7. Adjust the Video Encode Rate.
 - a. Using the cursor keys and "ENTER" button, navigate from the initial screen to the "Recording" menu, move the cursor to the right, and set the "Video Encode Rate" accordingly.
 - b. Adjusting this setting allows you to effectively trade picture quality for quantity. A smaller encode rate value(displayed as Mbps) means lower picture quality, but increases the amount of video you can fit on a disc (displayed as hours:minutes).
 - c. The normal encode rate is 4.440 Mbps, which gives you just over 2 hours of recording time on each disc. Try to choose an encode rate which allows you 5-10 minutes extra time over your actual footage.
8. Navigate back to the initial screen, using the cursor keys and "ENTER" button to select "Back" from the menu. To exit the menu completely, press "Function".

Recording

9. Insert a blank disc into the **DVD-R**.
10. Insert your tape into the **S-VHS deck**.
11. Test your setup.
 - a. Press play on the **S-VHS deck**, and allow it a few seconds to really start outputting video.
 - b. Press "PREVIEW" on the DVD-R. After a few seconds you should see the incoming video on the monitor, and should be able to hear the audio using the DVD-R's headphone jack.
 - c. Press "PREVIEW" again to stop previewing
12. Find the beginning of the clip you want to capture using the controls on the **S-**

VHS deck.

13. After finding the beginning of your clip, rewind several seconds from this point. This way you won't miss the beginning of your clip when you record.
14. Record your DVD.
 - a. Press PLAY on the S-VHS deck, and allow it a few seconds to really start outputting video.
 - b. Press RECORD on the DVD-R.
 - c. When done recording your clip, press STOP.
15. You can repeat step 14, putting multiple video clips on the same DVD. The DVD-R will automatically create a new clip for each recording session.
16. Finalize your disc.
 - a. This must be done to allow playback in normal DVD Players.
 - b. Press "FUNCTION" to bring up the menu system.
 - c. Using the Cursor keys and "ENTER buttons", select the "DVD Disc" menu, and select "Finalize Disc".
17. Test your finalized DVD.
 - a. Insert it into the DVD-Player on the desk to the left of the video rack.
 - b. On the same desk, find the Sony remote control and use it to turn on the big television up on the wooden shelf.
 - c. On the Autopatch, patch the DVD-Player to the big television:
 - i. Press [Change]
 - ii. Press DVD Player (on the input side)
 - iii. Press VMON3/5 (on the output side)
 - iv. Press [Take]
 - d. Push PLAY on the DVD-Player to view your DVD and verify its functionality.
18. Repeat steps 9-17 to create additional discs.