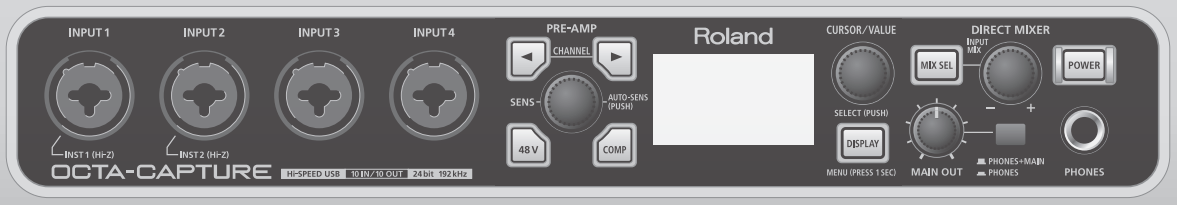
Roland



OCTA-CAPTURE

Hi-SPEED USB Audio Capture

I/O Expansion by using the OCTA-CAPTURE with the VS-100/VS-700

Operating Requirements

You can use the OCTA-CAPTURE together with the VS-100 or VS-700 to expand the I/O. In order to expand the I/O, you must update the drivers and system software.

VS-100:

System program version 1.50 or later

Driver version 2.0

VS-700:

System program version 1.30 or later

Windows driver version 2.0

Mac driver version 1.0

*** There is no need to update the OCTA-CAPTURE.**

Operating Requirements

NOTE

- The DIGITAL input connector is used in order to synchronize the VS-100/VS-700 with the OCTA-CAPTURE. You'll need to obtain a coaxial cable separately.
- This setup cannot be used at 192 kHz or higher.
- An internal hard disk drive that's 7200 rpm or faster is required.
- In order to use this setup at 96 kHz or higher, a separate SATA hard disk drive is required as the audio recording destination. (This setup will not work with a USB hard disk.)
- Depending on the application you're using, the operating requirements may exceed those listed above.

Updating the VS-100/VS-700

Updating the VS-100

You'll need to perform the following updates in order to use expanded I/O functionality.

- Update the driver to version 2.00 or later
- Update the system program to version 1.50 or later

Updating the Driver

First, you need to download the driver from the Roland website.

The downloaded VS-100 driver version 2.00 is in a zip format archive file. Right-click the file's icon, choose "Extract All" from the menu that appears, and extract the file as directed by the on-screen instructions.

In order to update the driver, you'll first need to uninstall the old driver.

For details on the installation procedure, refer to the Readme.htm file created when you extract the archive. You must read the Readme.htm file before you install the driver.

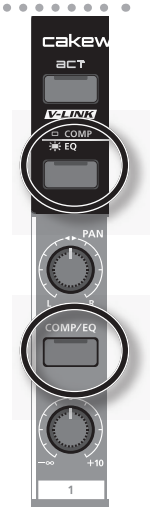
Updating the System Program

Checking the version

Check the version of the VS-100's system software.
When you power up the VS-100, the version of the current system software is displayed in the lower right of the screen.

Version	Description
V1.30 or earlier	An update is required. Perform the update as described below.
V1.50 or later	An update is not required.

Updating



1. Switch on the VS-100's power, and before the level meter screen appears, simultaneously press the compressor/equalizer setting button and the CH1 [COMP/EQ] button, and continue holding down these buttons until the following screen appears.

The current system software version will appear.

```
USB updater
0

V1.30/01CA (current version)
```

2. Use the USB cable to connect the VS-100 to your computer.

When the USB connection is detected, the following screen will appear.

```
USB updater
0
USB Online
V1.30/01CA
```

3. Double-click "UpdSMFJ" on your computer.

4. In the "MIDI Out Device" field, choose "CONTROL (VS-100)." (on a Mac, choose "CONTROL.")

5. Click the [Path] button (on a Mac, the [Select...] button), and in SMF Path (on a Mac, SMF Folder), specify the folder location that contains the update files (_00001.mid–_00008.mid, end.mid).

6. Click the [Scan SMF] (not required on a Mac), and verify that the update files (_00001.mid–_00008.mid, end.mid) are shown in the file list.

7. Click the [Send] button

File transmission will begin.

Transmission status is shown on the screen.

```
USB updater
12345 (Status of transfer)
USB Online
V1.30/01CA
```

When the transmission of the program has finished, the process of writing the program into the VS-100 will begin.

NOTE

Do not power off the VS-100 until the update is complete, doing so may damage the unit.

A screen like the following will appear.

```
USB updater
erase
USB Online
V1.20/01AF
```

```
USB updater
write
USB Online
V1.20/01AF
```

When the program has been updated successfully, a screen like the following will appear.

```
USB updater
Update Successfully
Please Reboot
V1.20/01AF -> V1.50/01D4
```

Verify that the updated version is displayed.

This completes the update procedure.

8. Turn the power of the VS-100 off, then on again.

Make sure that the system software version shown in the lower right of the screen is V1.50.

*** If the update was unsuccessful, you can retry the process from step 1.**

Updating the VS-700

You'll need to perform the following updates in order to use expanded I/O functionality.

- Update the driver to version 2.00 or later. (Windows only)
- Update the system program to version 1.30 or later.

Updating the Driver

You must install both the VS-700 driver and the VS-700C driver.

*** The VS-700C driver is required for updating the system program of the VS-700C console, so you must be sure to update the VS-700 driver and the VS-700C driver before you update the system program.**

*** In order to update the driver for the VS-700C, you must set the VS-700C to the standalone mode. For details, refer to p. 164 in the owner's manual for the VS-700.**

The downloaded file is a zip format archive. Right-click the file icon, choose "Extract All" from the menu that appears, and extract the files as directed by the on-screen instructions.

In order to update the drivers, you'll first need to uninstall the old drivers.

For details on the installation procedure, refer to the Readme.htm file created when you extract the archive. You must read the Readme.htm file before you install the drivers.

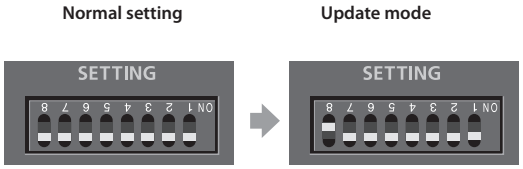
Updating the System Program

Checking the version of the VS-700C console

Check the version of the VS-700C console, VS-700 I/O CPU, VS-700 I/O DSP, and VS-700 I/O FANTOM VS.

If the version number is 1.30 or later, the update is not required.

1. **Switch off the VS-700C's power.**
2. **On the rear panel, set switch #8 of the "SETTING" switches to the "ON" position (upward); this selects Update mode.**



3. **Switch on the VS-700C's power.**
4. **The version is shown in the LCD display.**
5. **Switch the power off, then return switch #8 of the "SETTING" switches on the rear panel to the "OFF" position (downward).**

Checking the version of the VS-700R I/O

1. **Install VS-700R I/O Editor**

*** VS-700R I/O Editor is an application that allows you to use VS-700R I/O with applications other than SONAR. In this case, we'll use it to check the version.**

Read the contents of Readme.htm, and install the software as directed.

*** For details on using or uninstalling VS-700R I/O Editor, refer to Readme.htm.**

2. **Switch on the VS-700R's power.**
3. **Use a USB cable to connect the VS-700R to your computer.**
4. **Start up VS-700R I/O Editor on your computer.**
5. **From the "Help" menu, open "VS-700R I/O Version." If you're using Mac OS, choose the "VS-700R I/O Editor" menu command "About VS-700R I/O."**
6. **The "About VS-700R I/O" window will appear; check the following version numbers.**
   - CPU
   - DSP
   - FANTOM VS
7. **Click [OK] to close the "About VS-700R I/O" window.**
8. **Close VS-700R I/O Editor .**

Updating the VS-700C console

* **In order to update the VS-700C console, the VS-700C driver must be installed in your computer.**
* **The update cannot be performed if the VS-700R is connected via USB to your computer. Leave it disconnected.**

1. **Disconnect all USB cables from your computer (except those connecting the keyboard and mouse).**
2. **As described in "Checking the version of the VS-700C console," put the VS-700C console in Update mode.**
3. **Use a USB cable to connect the VS-700C to your computer.**
4. **In the right side of the top panel, press the blinking [OK/ENTER] button.**

   The indication in the LCD will change to "Erase."
5. **Press [OK/ENTER] once again.**

   The indication in the LCD will change to "Sure?"
6. **Press [OK/ENTER] once again.**

   The indication in the LCD will change to "0%".
7. **On your computer, double-click "UpdSMFJ."**
8. **As the "MIDI Out Device," choose "CONSOLE (VS-700C)" (Mac OS: "CONSOLE").**
9. **Click the [Path] button (for Mac OS: the [Select...] button), and in the SMF Path (Mac OS: SMF Folder), specify the location that contains the update files (P00001.mid, P00002.mid).**
10. **Click the [Scan SMF] button (not necessary on Mac OS), and verify that the file list shows the update files (P00001.mid, P00002.mid).**
11. **Click the [Send] button.**

    Data transmission will begin.

    The indication in the LCD will change to "End."

    * **The update will require approximately one minute.**
    * **Never turn off the power while the update is in progress.**
12. **In UpdSMFJ's Send SMF/Complete dialog box, click [OK].**
13. **In UpdSMFJ, click [Exit] (for Mac OS: [QUIT]) to close UpdSMFJ.**
14. **Turn off the power, wait one or two seconds, and then turn the power on again.**

    Verify that the version is shown as Version: 1.30.
15. **Turn off the power, then return switch #8 of the "SETTING" switches on the rear panel to the "OFF" position (downward).**

Updating the VS-700R I/O CPU and DSP

* **You can update the VS-700R I/O CPU and DSP simultaneously in a single operation.**

1. **Disconnect all USB cables from your computer (except those connecting the keyboard and mouse).**
2. **Make sure that the VS-700R's power is switched off.**
3. **Disconnect everything from the VS-700R except for the power cord.**
4. **In the VS-700R's top panel, remove the expansion board cover; then at the right side, turn SW1 "4" on, and turn the other switches off.**
5. **In the left side of the VS-700R's front panel, set the "SAMPLE RATE" knob to "88.2 kHz."**
6. **Switch on the VS-700R's power.**
7. **Verify that the VS-700R's front panel [USB], [CONSOLE], [MIDI IN], and [MIDI OUT] indicators blink.**
8. **Return the VS-700R's SW1 "4" to the "off" position.**
9. **Verify that the [USB] and [CONSOLE] indicators have gone out, and that the [MIDI IN] and [MIDI OUT] indicators are lit.**
10. **Use a USB cable to connect the VS-700R to your computer.**
11. **Verify that the VS-700R's [USB], [MIDI IN], and [MIDI OUT] indicators are lit.**
12. **On your computer, double-click "UpdSMFJ."**
13. **As the "MIDI Out Device," choose "IO (VS-700)" (for Mac OS: "VS-700 I/O").**
14. **Click the [Path] button (for Mac OS, the [Select...] button), and in the SMF Path (for Mac OS: SMF Folder) field, specify the location of the update files (_00001.mid, end.mid).**
15. **Click the [Scan SMF] button (not necessary on Mac OS), and verify that the update files (_00001.mid, end.mid) are shown in the file list.**
16. **Click the [Send] button.**

    Data transmission will begin, and the VS-700R's [MIDI IN] indicator will blink.

    When the VS-700R's [MIDI IN] and [MIDI OUT] indicator are both blinking, the update is complete.

    * **The update will require approximately two minutes.**
    * **Never turn off the power while the update is in progress.**
17. **In UpdSMFJ's Send SMF/Complete dialog box, click [OK].**
18. **In UpdSMFJ, click [Exit] (for Mac OS: [QUIT]) to close UpdSMFJ.**
19. **Switch off the VS-700R's power.**
20. **Reattach the expansion cover. If necessary, return the "SAMPLE RATE" knob to the appropriate setting for your system.**
21. **Switch on the VS-700R's power once again.**
22. **Start up VS-700R I/O Editor and verify that the version is 1.30.**

Updating the VS-700R I/O FANTOM VS

1. **Disconnect all USB cables from your computer (except those connecting the keyboard and mouse).**
2. **Make sure that the VS-700R's power is switched off.**
3. **Disconnect everything from the VS-700R except for the power cord.**
4. **In the VS-700R's top panel, remove the expansion cover; then at the right side, turn SW1 "4" on, and turn the other switches off.**
5. **In the left side of the VS-700R's front panel, set the "SAMPLE RATE" knob to "192 kHz."**
6. **Switch on the VS-700R's power.**
7. **Verify that the VS-700R's front panel [USB], [CONSOLE], [MIDI IN], and [MIDI OUT] indicators blink.**
8. **Return the VS-700R's SW1 "4" to the "off" position.**
9. **Verify that the indicators that were blinking in step 6 have now gone out.**
10. **Use a USB cable to connect the VS-700R to your computer.**
11. **Verify that the VS-700R's [USB] and [MIDI OUT] indicators are both blinking.**
12. **On your computer, double-click "UpdSMFJ."**
13. **As the "MIDI Out Device," choose "FANTOM VS (VS-700)" (for Mac OS: "FANTOM VS").**
14. **Click the [Path] button (for Mac OS, the [Select...] button), and in the SMF Path (for Mac OS, the SMF Folder) indication, specify the location of the update file (FantomVSUpdate.mid).**
15. **Click the [Scan SMF] button (not necessary on Mac OS), and verify that the update file (FantomVSUpdate.mid) is shown in the file list.**
16. **Click the [Send] button.**

    Data transmission will begin, and the VS-700R's [MIDI IN] indicator will blink.

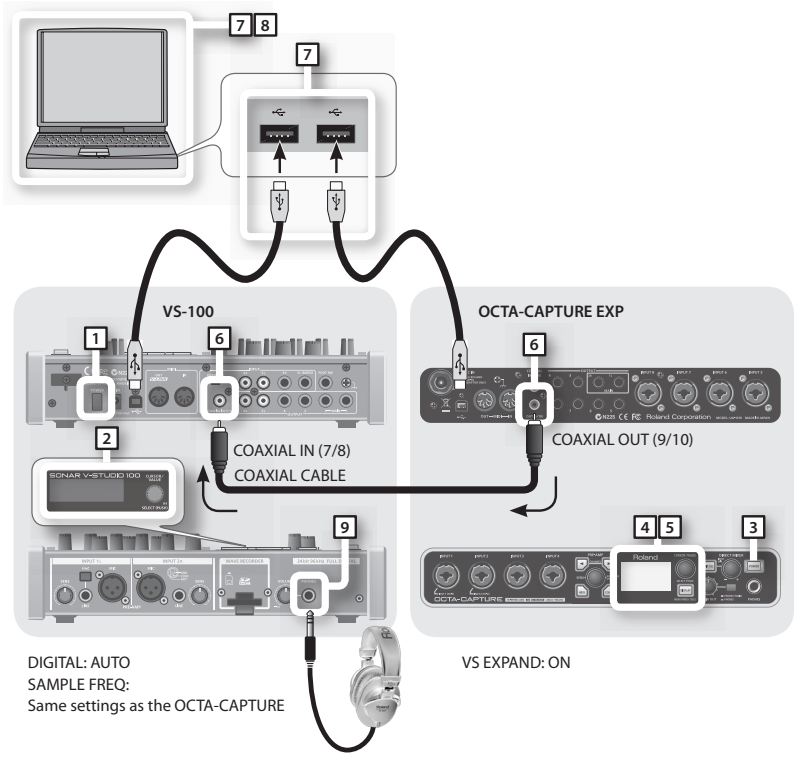
    When the VS-700R's [MIDI IN] and [MIDI OUT] indicators are both blinking, the update is complete.

    * **The update will require approximately three minutes.**
    * **Never turn off the power while the update is in progress.**
17. **In UpdSMFJ's Send SMF/Complete dialog box, click [OK].**
18. **In UpdSMFJ, click [Exit] (for Mac OS: [QUIT]) to close UpdSMFJ.**
19. **Switch off the VS-700R's power.**
20. **Reattach the expansion board cover. If necessary, return the "SAMPLE RATE" knob to the appropriate setting for your system.**
21. **Switch on the VS-700R's power once again.**
22. **Start up VS-700R I/O Editor and verify that the version is 1.30.**

Connecting the VS-100/VS-700 and the OCTA-CAPTURE

Connecting the VS-100 and the OCTA-CAPTURE

You'll be able to use the OCTA-CAPTURE and VS-100 as a 18-in/16-out (of these, 2 IN/2 OUT are used for synchronization) audio interface with ASIO on Windows or with Core Audio on Mac OS X. In order to connect two the VS-100 and OCTA-CAPTURE, you must turn on the VS EXPAND setting of the OCTA-CAPTURE, and set both units to digitally synchronize at the same sampling frequency. Before you start making settings, disconnect both units from the computer and turn off their power.

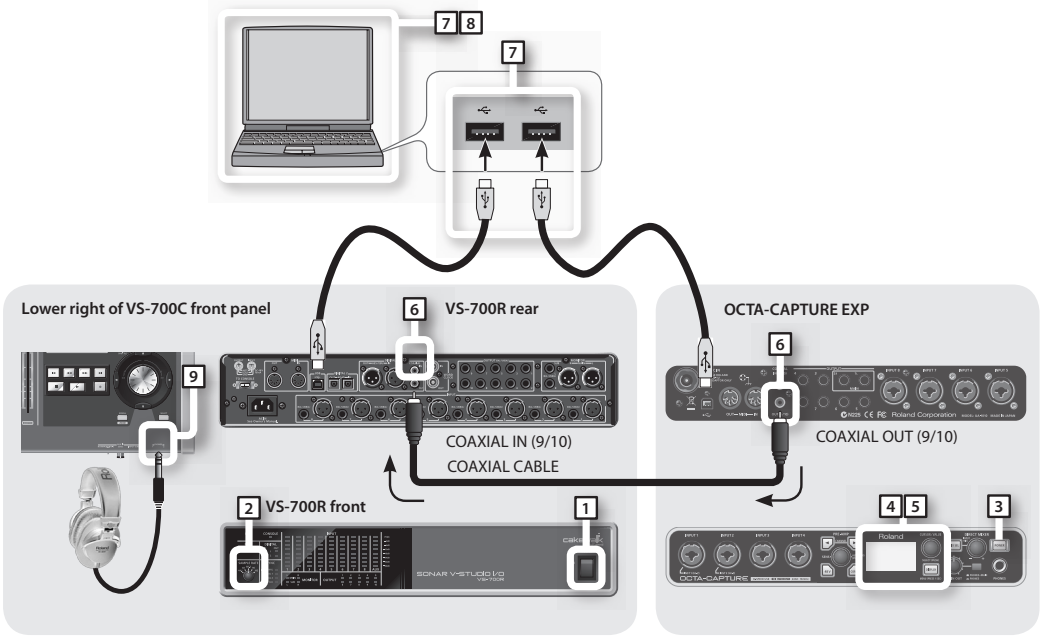


DIGITAL: AUTO
SAMPLE FREQ:
Same settings as the OCTA-CAPTURE

VS EXPAND: ON

Connecting the VS-700 and the OCTA-CAPTURE

You'll be able to use the OCTA-CAPTURE and VS-700 as a 29-in/34-out (of these, 2 IN/2 OUT are used for synchronization) audio interface with ASIO on Windows or with Core Audio on Mac OS X. In order to connect two the VS-700 and OCTA-CAPTURE, you must turn on the VS EXPAND setting of the OCTA-CAPTURE, and set both units to digitally synchronize at the same sampling frequency. Before you start making settings, disconnect both units from the computer and turn off their power.



VS EXPAND: OFF
DIGITAL: AUTO
SAMPLE FREQ:
Same settings as the OCTA-CAPTURE

VS EXPAND: ON
DIGITAL: AUTO

1. Switch on the power to the VS-100/VS-700.

The OCTA-CAPTURE unit will be the timing master.

2. Specify the sampling frequency (VS-100 Owner's manual p. 52, VS-700 Owner's manual p. 80)

*** When using two units, they cannot be used with the 192 kHz setting.**

3. Switch on the power to the OCTA-CAPTURE.

4. In the Utility section on the OCTA-CAPTURE, turn VS-EXPAND on (OCTA-CAPTURE Owner's manual p. 60).

5. Set the OCTA-CAPTURE to the same sampling frequency as the VS-100/VS-700 (OCTA-CAPTURE Owner's manual p. 68).

6. In order to digitally synchronize the two units, use a coaxial cable to connect the OCTA-CAPTURE's COAXIAL OUT (9/10) to the VS-100/VS-700's COAXIAL IN (9/10).

*** If the Utility section's DIGITAL setting is turned off, the sampling frequency will not switch. Change the VS-100's DIGITAL setting to "AUTO" (VS-100 Owner's manual p. 55)**

7. Connect the VS-100/VS-700 and the OCTA-CAPTURE to the computer.

Connect the two USB cables to USB ports that are near each other.

Windows 7/Windows Vista users

The driver will be installed automatically when you connect the OCTA-CAPTURE. Please wait.

Windows XP users

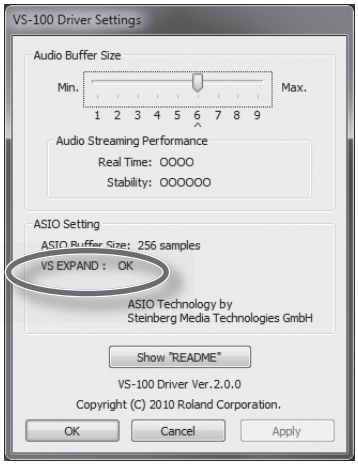
After you've made the connection, follow steps 10 through 13 on p. 20 of the OCTA-CAPTURE Owner's Manual to install the driver.

8. The procedure will differ depending on your system. Proceed as follows.

Windows users

If you're using Windows, the two units must be connected to the same USB controller. In the Windows control panel, double-click the VS-100/VS-700 icon to open the VS-100/VS-700 control panel driver settings. Make sure that "OK" was indicated for the VS EXPAND item.

If this does not indicate "OK," proceed as directed below.



(A screen shot for the VS-100 is shown here.)

If "USB controller does not match" is shown:

Connect the VS-100/VS-700 or the OCTA-CAPTURE to a different USB port, and keep trying other USB ports until the indication is "OK" or "Sampling frequency does not match."

*** Alternatively, you can ensure that the VS-100/VS-700 and the OCTA-CAPTURE are connected to the same USB controller by connecting them both to a USB 2.0 compliant hub.**

If "Sampling frequency does not match" is shown:

Disconnect both USB cables from the computer, turn off the power of the first unit, and start again from step 4. Connect each OCTA-CAPTURE unit to the same USB controller.

If VS EXPAND is grayed out:

Disconnect both USB cables from the computer, turn off the power of the VS-100/VS-700 and the OCTA-CAPTURE units, and start again from step 1.

Mac OS X users

Make "MIDI Input/Output Device Settings" (p. 25) on p. 25 of the OCTA-CAPTURE Owner's Manual for the OCTA-CAPTURE . In step 5, enter the following names.

New Device	Device Name
First [new external device]	EXP MIDI
Second [new external device]	EXP CTRL

Mac OS X 10.5.8 or earlier

1. After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).

2. From the "Audio" menu, choose "Open Aggregate Device Editor."

3. The device settings dialog box will appear. Click the [+] button to add an aggregate device.

Change the device set name to "VS-100 EXPANDED" or "VS-700 EXPANDED."

4. Add a check mark to "VS-100"/ "VS-700"and then to "OCTA-CAPTURE EXP."

5. In the clock field, choose "OCTA-CAPTURE EXP."

6. If a check mark has been placed in the Resample field, clear the check mark.

7. Click "Finish" to close the dialog box.

Mac OS X 10.6 or later

1. After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).

2. Click the [+] button.

3. "Aggregate Device" will appear in the list; double-click it and edit the name.

Change the device set name to "VS-100 EXPANDED" or "VS-700 EXPANDED."

4. From the audio devices at the right, add a check mark to "Use" for "VS-100", "VS-700", and then for "OCTA-CAPTURE EXP."

5. In the clock source field, choose "OCTA-CAPTURE EXP."

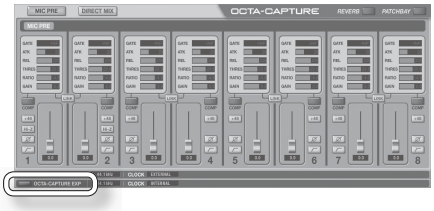
6. If a check mark has been placed in the Resample field, clear the check mark.

9. Connect your headphones to the PHONES jack of the VS-100 or the VS-700 unit.

For Mac OS X, refer to "Core Audio device ports and input channel numbers" (p. 13)

Settings for monitoring through headphones

1. **Start up the OCTA-CAPTURE control panel.**
2. **In the lower left of the screen, click the [OCTA-CAPTURE EXP] button.**



The state of the OCTA-CAPTURE will be shown.

3. **In the upper right of the screen, click the [PATCHBAY] button.**

   The patch bay screen will appear.
4. **In the OUTPUT 9–10 field, choose "DIRECT MIX A."**
5. **Click the [Close] button to close the patch bay screen.**

For the VS-100

You can use COAX (7/8) to control the volume. Set the volume at an appropriate level.

All signals being input to the OCTA-CAPTURE will be output from the PHONES jack of the VS-100/VS-700.

For the VS-700

Using VS-700 I/O Editor or the VS-700 Control Surface plug-in, set DIGITAL1 INPUT SOURCE to COAXIAL IN, and set SYNC SOURCE to DIGITAL1. For details, refer to the online manual.

Setting the sampling frequency

1. **Disconnect the coaxial cable that connects the VS-100/ VS-700 and the OCTA-CAPTURE units.**
2. **Disconnect the two USB cables from the computer.**
3. **Change the sampling frequency of the two units.**

   Set both units to the same sampling frequency.
4. **In order to digitally synchronize the two units, use a coaxial cable to connect the OCTA-CAPTURE's COAXIAL OUT jack to the VS-100/VS-700's COAXIAL IN jack.**
5. **Connect each unit's USB cable to the computer.**

*** You'll need to turn the VS-700's power on once again.**

Input/Output Devices

VS-100 + OCTA-CAPTURE

VS-100

Input Device		Output Device	
VS-100 DIGITAL	IN 1-2	VS-100	OUT 1-2
	IN 3-4		OUT 3-4
	IN 5-6		OUT 5-6
	IN 7-8		–
	MAIN	–	–

Used when synchronizing.

OCTA-CAPTURE

Input Device		Output Device	
OCTA-CAPTURE EXP	IN 1-2	OCTA-CAPTURE EXP	OUT 1-2
	IN 3-4		OUT 3-4
	IN 5-6		OUT 5-6
	IN 7-8		OUT 7-8
	IN 9-10		OUT 9-10
	MAIN	–	–

VS-700 + OCTA-CAPTURE

VS-700

Input Device		Output Device	
VS-700	FANTOM VS (VS-700)	VS-700	MAIN (VS-700)
	ARX (VS-700)		SUB (VS-700)
	AUX (VS-700)		1-2 (VS-700)
	1-2 (VS-700)		3-4 (VS-700)
	3-4 (VS-700)		5-6 (VS-700)
	5-6 (VS-700)		7-8 (VS-700)
	7-8 (VS-700)		9-10 (VS-700)
	DIGITAL1 (VS-700)		DIGITAL1 (VS-700)
	DIGITAL2 1-2 (VS-700)		DIGITAL2 1-2 (VS-700)
	DIGITAL2 3-4 (VS-700)		DIGITAL2 3-4 (VS-700)
	DIGITAL2 5-6 (VS-700)		DIGITAL2 5-6 (VS-700)
	DIGITAL2 7-8 (VS-700)		DIGITAL2 7-8 (VS-700)

Used when synchronizing.

OCTA-CAPTURE

Input Device		Output Device	
OCTA-CAPTURE EXP	IN 1-2	OCTA-CAPTURE EXP	OUT 1-2
	IN 3-4		OUT 3-4
	IN 5-6		OUT 5-6
	IN 7-8		OUT 7-8
	IN 9-10		OUT 9-10
	MAIN	–	–

Port Names for the VS-100 and OCTA-CAPTURE (VS EXPAND)

ASIO input port names

Device	Input	Output
VS-100	IN 1-2	OUT 1-2
	IN 3-4	OUT 3-4
	IN 5-6	OUT 5-6
	DIGITAL	–
	MAIN	–
OCTA-CAPTURE (VS Expand: ON)	EXP IN 1-2	EXP OUT 1-2
	EXP IN 3-4	EXP OUT 3-4
	EXP IN 5-6	EXP OUT 5-6
	EXP IN 7-8	EXP OUT 7-8
	EXP IN 9-10	EXP OUT 9-10
	EXP MAIN	–

Core Audio device ports and input channel numbers

Device	Port	Core Audio channel number
VS-100	IN 1-2	1, 2
	IN 3-4	3, 4
	IN 5-6	5, 6
	DIGITAL	7, 8
	MAIN	9, 10
OCTA-CAPTURE (VS Expand: ON)	IN 1-2	11, 12
	IN 3-4	13, 14
	IN 5-6	15, 16
	IN 7-8	17, 18
	IN 9-10	19, 20
	MAIN	21, 22

Core Audio device ports and output channel numbers

Device	Port	Core Audio channel number
VS-100	OUT 1-2	1, 2
	OUT 3-4	3, 4
	OUT 5-6	5, 6
OCTA-CAPTURE (VS Expand: ON)	OUT 1-2	11, 12
	OUT 3-4	13, 14
	OUT 5-6	15, 16
	OUT 7-8	17, 18
	OUT 9-10	19, 20

Port Names for the VS-700 and OCTA-CAPTURE (VS EXPAND)

ASIO input port names

Device	Port	44.1/48 kHz	96 kHz
VS-700	FANTOM VS	√	√
	ARX	√	√
	AUX	√	√
	IN 1-2	√	√
	IN 3-4	√	√
	IN 5-6	√	√
	IN 7-8	√	√
	DIGITAL1	√	√
	DIGITAL2 1-2	√	√
	DIGITAL2 3-4	√	√
	DIGITAL2 5-6	√	–
	DIGITAL2 7-8	√	–
OCTA-CAPTURE (VS Expand: ON)	EXP IN 1-2	√	
	EXP IN 3-4	√	
	EXP IN 5-6	√	
	EXP IN 7-8	√	
	EXP IN 9-10	√	
	EXP MAIN	√	

ASIO output port names

Device	Port	44.1/48 kHz	96 kHz
VS-700	MAIN	√	√
	SUB	√	√
	OUT 1-2	√	√
	OUT 3-4	√	√
	OUT 5-6	√	√
	OUT 7-8	√	√
	OUT 9-10	√	√
	DIGITAL1	√	√
	DIGITAL2 1-2	√	√
	DIGITAL2 3-4	√	√
	DIGITAL2 5-6	√	-
	DIGITAL2 7-8	√	-
OCTA-CAPTURE (VS Expand: ON)	EXP OUT 1-2	√	
	EXP OUT 3-4	√	
	EXP OUT 5-6	√	
	EXP OUT 7-8	√	
	EXP OUT 9-10	√	

Core Audio device ports and input channel numbers

Device	Port	Core Audio channel number	
		44.1/48 kHz	96 kHz
VS-700	FANTOM VS	1, 2	1, 2
	ARX	3, 4	3, 4
	AUX	5, 6	5, 6
	IN 1-2	7, 8	7, 8
	IN 3-4	9, 10	9, 10
	IN 5-6	11, 12	11, 12
	IN 7-8	13, 14	13, 14
	DIGITAL1	15, 16	15, 16
	DIGITAL2 1-2	17, 18	17, 18
	DIGITAL2 3-4	19, 20	19, 20
	DIGITAL2 5-6	21, 22	–
	DIGITAL2 7-8	23, 24	–
OCTA-CAPTURE (VS Expand: ON)	IN 1-2	25, 26	21, 22
	IN 3-4	27, 28	23, 24
	IN 5-6	29, 30	25, 26
	IN 7-8	31, 32	27, 28
	IN 9-10	33, 34	29, 30
	MAIN	35, 36	31, 32

Core Audio device ports and output channel numbers

Device	Port	Core Audio channel number	
		44.1/48 kHz	96 kHz
VS-700	MAIN	1, 2	1, 2
	SUB	3, 4	3, 4
	OUT 1-2	5, 6	5, 6
	OUT 3-4	7, 8	7, 8
	OUT 5-6	9, 10	9, 10
	OUT 7-8	11, 12	11, 12
	OUT 9-10	13, 14	13, 14
	DIGITAL1	15, 16	15, 16
	DIGITAL2 1-2	17, 18	17, 18
	DIGITAL2 3-4	19, 20	19, 20
	DIGITAL2 5-6	21, 22	–
	DIGITAL2 7-8	23, 24	–
OCTA-CAPTURE (VS Expand: ON)	OUT 1-2	25, 26	21, 22
	OUT 3-4	27, 28	23, 24
	OUT 5-6	29, 30	25, 26
	OUT 7-8	31, 32	27, 28
	OUT 9-10	33, 34	29, 30

Troubleshooting

Problem	Cause
Can't sync the VS-700 and the OCTA-CAPTURE.	Did you use VS-700 I/O Editor or the Control Surface plug-in to set DIGITAL 1 INPUT SOURCE to COAXIAL IN, and set SYNC to DIGITAL1? Have you connected the coaxial cable to the VS-700's COAXIAL IN?
Can't monitor the OCTA-CAPTURE's output through headphones.	Did you make patchbay settings from the OCTA-CAPTURE's control panel?
When updating the VS-700's system program, the input indicator blinked when you connected the USB cable to your computer, and the update could not be performed.	After powering up the VS-700, did you return the SW1 "4" switch to the "off" position?
You performed the VS-700C console update as directed by the manual, but it was not successful.	Could a device other than the VS-700C be connected to the computer? If the VS-700R is connected to your computer when updating the VS-700C, updating the VS-700C will not be successful.