

# Cubase LE Installation Guide/ Control Surface Operation Guide

This document explains how to install the Cubase LE software on a computer and how to use the control surface mode of the HD8/HD16.

## Cubase LE installation and setup

Perform the following steps to install Cubase LE on a computer and set up the HD8/HD16 to function as a control surface for Cubase LE.

### NOTE

For the following procedure, you will need the "Cubase LE" CD and the "Factory Recover CD" supplied with the HD8/HD16.

### 1. Use the supplied "Cubase LE" CD to install the Cubase LE application on your computer.

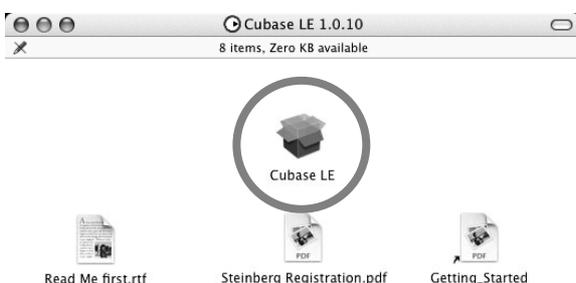
The procedure differs, depending on the operating system.

#### ■ Windows XP

When you insert the supplied "Cubase LE" CD into the CD-ROM drive of the computer, the Installer starts up automatically. Follow the on-screen instructions to install Cubase LE.

#### ■ MacOS X

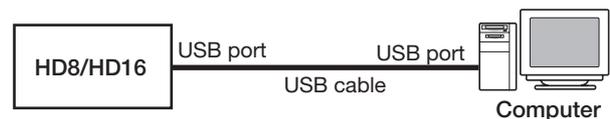
When you insert the supplied "Cubase LE" CD into the CD-ROM drive of the Macintosh, a "Cubase LE" icon appears on the desktop. Double-click on the icon to open it and then use the Installer to install the software.



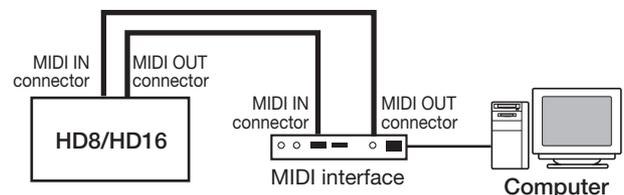
### 2. Connect the HD8/HD16 to the computer.

You can connect the HD8/HD16 either via USB or via the MIDI IN/OUT connectors. (If you use MIDI, the computer must be equipped with a MIDI interface.)

#### ■ Using USB



#### ■ Using MIDI IN/OUT connectors



### 3. Turn power to the HD8/HD16 on.

### 4. Perform the following steps at the HD8/HD16 to select the connection type.

- (1) From the main screen, press the [PROJECT/UTILITY] key and then use the cursor left/right keys to bring up the indication "SYSTEM" on the second line of the display.

REC UTILITY 4/10  
>SYSTEM

- (2) Press the [ENTER] key.  
The display indication changes as follows.

SYSTEM 1/7  
>FOOT SWITCH

- (3) Use the cursor left/right keys to bring up the indication "Control Surface" on the second line of the display, and press the [ENTER] key.  
The currently selected connection type is shown.

Control Surface  
USB

(4) Turn the dial to select "USB" (connection via USB port) or "MIDI I/O" (connection via MIDI IN/ OUT connectors). The remote operation signals will be sent via the interface selected here.

(5) Press the [EXIT] key repeatedly to return to the main screen.

**5. Perform the following steps at the HD8/HD16 to activate the control surface mode.**

(1) From the main screen, hold down the [SHIFT] key and press pad 2 (CONTROL SURFACE). A confirmation screen for switching to control surface mode appears.

(2) Press the [ENTER] key. The HD8/HD16 switches to control surface mode, and the display indication changes as follows.



**6. Start Cubase LE.**

The startup procedure differs, depending on the operating system.

**Windows XP**

Double-click on the Cubase LE icon that was placed on the desktop during installation. A window appears, asking whether to test the audio I/O ports. Select "Yes" to perform the test.

**MacOS X**

Double-click on the Cubase LE icon that was placed in the "Applications" folder during installation.

**NOTE**

Be sure to start Cubase LE only after activating the control surface mode at the HD8/HD16.

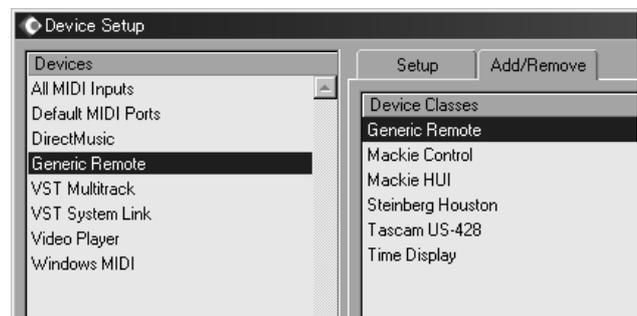
The following steps are the same for Windows XP and MacOS X. The screen examples shown here are from Windows XP.

**7. After starting Cubase LE, select "Device Setup..." from the "Devices" menu, and click the "Add/Remove" tab.**

The device setup window gives access to the settings required for using the connected HD8/HD16 as control surface.



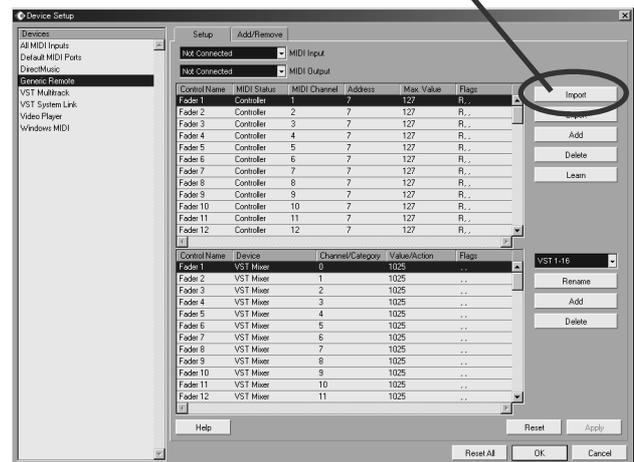
In the right side of the device setup window, select "Generic Remote" and click the "Add" button. This will add the "Generic Remote" entry to the list on the left side of the device setup window.



**8. Select "Generic Remote" in the list on the left side of the device setup window, and click the "Setup" tab.**

The display indication changes as follows.

"Import" button



**9. Click the "Import" button.**

The "Import Generic Remote" window appears.

**10. Remove the "Cubase LE" CD from the CD-ROM drive of the computer and insert the "Factory Recover CD".**

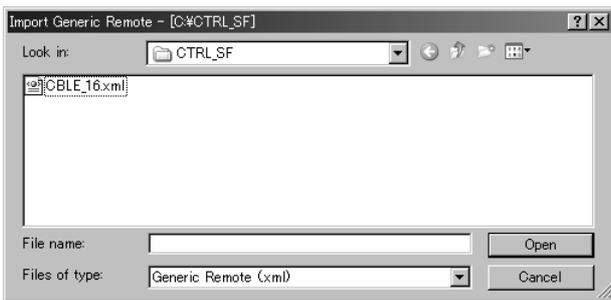
**11.** Use drag & drop to copy the folder "CTRL\_SF" from the "Factory Recover CD" to the hard disk of the computer.

**12.** In the "Import Generic Remote" window, select the setup file located in the "CTRL\_SF" folder copied to the hard disk of the computer. Then click the "Open" button.

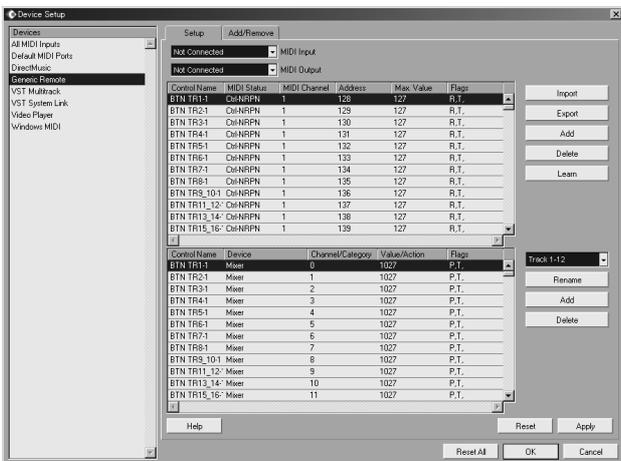
The name of the setup file is as follows.

HD8 setup file: . . . . . CBLE\_8.xml

HD16 setup file: . . . . . CBLE\_16.xml



Click the "Open" button to load the Generic Remote setup file. The contents of the file are reflected in the setup window.



**13.** Use the MIDI input port and MIDI output port pull-down menus of Cubase LE to select the MIDI port to which the HD8/HD16 is connected.

**■ When using USB**

Select MIDI input and output port from the following.

**●Windows**

XP . . . . . "USB"

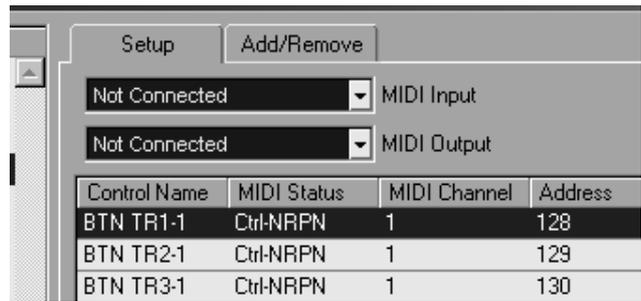
VISTA . . . . . "MIDI"

**●Macintosh**

Mac OS X 10.2 and later. . . . . "MIDI"

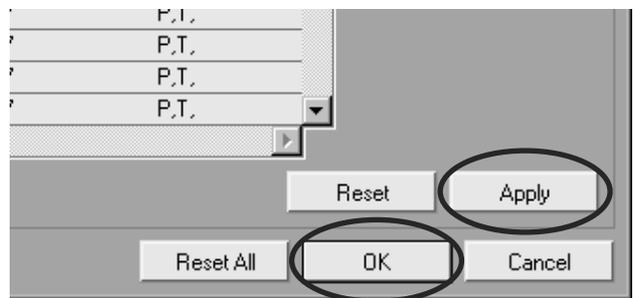
**■ When using MIDI**

Select the corresponding MIDI port of the interface.



**14.** Click the "Apply" button and then click the "OK" button.

The device setup window closes. The HD8/HD16 can now be used to remotely control the Cubase LE application.



**HINT**

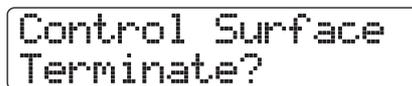
The settings are automatically saved by Cubase LE. When you start Cubase LE the next time, the setup procedure is no longer necessary.

**Terminating the control surface mode**

To terminate the control surface mode and return the HD8/HD16 to normal operation, proceed as follows.

**1.** From the main screen, hold down the [SHIFT] key and press pad 2 (CONTROL SURFACE).

The display indication changes as follows.



**2.** Press the [ENTER] key.

The main screen appears again and the HD8/HD16 resumes normal recorder operation.

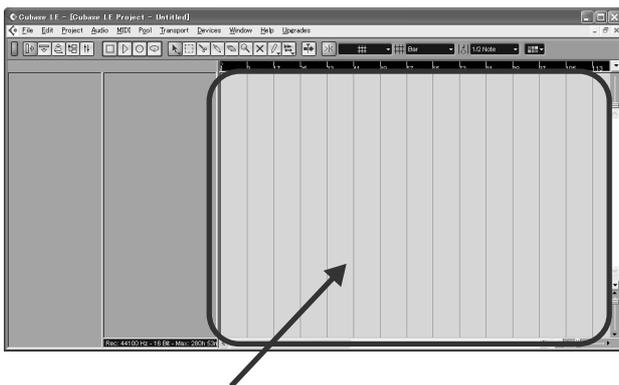
## Quick Guide: Importing audio data into Cubase LE

This section explains how to import audio data of the HD8/HD16 into Cubase LE as WAV files. There are two ways to do this:

- \* Importing by drag & drop
- \* Using the "Import" command

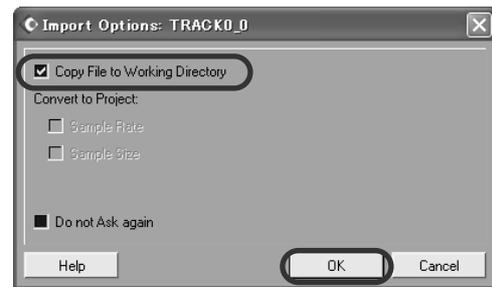
### Importing by drag & drop

- 1.** Connect the computer and the HD8/HD16 with a USB cable.
- 2.** Switch the HD8/HD16 to mass storage mode.  
For information on how to do this, see page 161 of the operation manual.
- 3.** Start Cubase LE and open the project into which to import the audio data.
- 4.** In the window on the computer screen showing the hard disk of the HD8/HD16, open the "TAKE" folder of the project that contains the desired audio data. For information on how to do this, see page 162 of the operation manual.
- 5.** Select the file or files in the "TAKE" folder and drag & drop them onto the Cubase LE project window.



The "Import Options" window appears.

- 6.** In the "Import Options" window, select the "Copy Files to Working Directory" check box, and click the OK button.



The audio data are loaded into Cubase LE tracks.

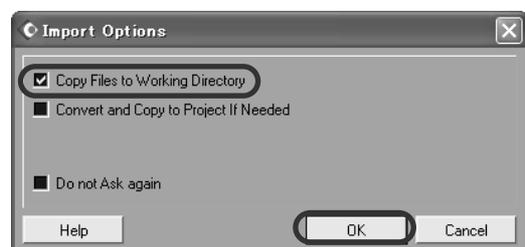
### Using the "Import" command

- 1.** Perform steps 1 - 3 of "Importing by drag & drop" to open the Cubase LE project.
- 2.** From the Cubase LE menus, select "File" → "Import" → "Audio File".  
The "Import Audio" window appears.
- 3.** Select the file or files in the "TAKE" folder of the desired project and click the "Open" button.



The "Import Options" window appears.

- 4.** Select the "Copy File to Working Directory" check box, and click the OK button.



The audio data are loaded into Cubase LE tracks.

## Using the control surface mode

This section describes use of the HD8/HD16 in control surface mode.

### NOTE

The control surface functions described here are available only when the setup file provided by ZOOM has been loaded into Cubase LE.

## About the control surface mode

When you switch the HD8/HD16 to control surface mode, the keys and faders of the HD8/HD16 can be used to remotely control the transport and mixing functions of Cubase LE.

When you switch the HD8/HD16 to control surface mode, the display indication changes as follows.

```
Stat: Mute Bank: 1
PAN
```

### NOTE

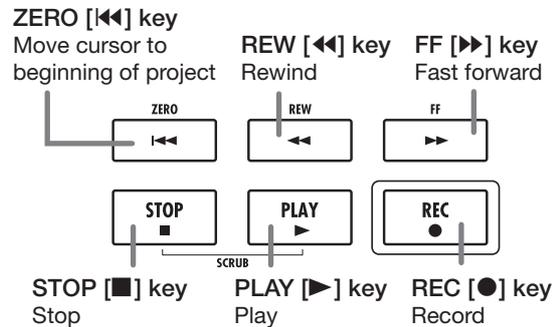
While the HD8/HD16 is in control surface mode, the recorder does not operate.

In control surface mode, the HD8/HD16 recorder functions are not available, and the knobs and keys on the panel have special functions for Cubase LE. The level meter of the HD8/HD16 shows the fader positions for the Cubase LE tracks.

For a list of functions assigned to the keys and knobs of the HD8/HD16 in control surface mode, see the table "Control surface mode functions at a glance" on page 8 of this document.

## Operating the transport

When the HD8/HD16 is in control surface mode, the keys of the transport section control the following Cubase LE functions.



Regarding the functions of other keys in the function/transport section, see the table "Control surface mode functions at a glance" on page 8 of this document.

## Operating the fader section

When the HD8/HD16 is in control surface mode, the controls of the fader section (faders, status keys, parameter knobs) can be used to adjust major parameters of Cubase LE. Regarding the functions of the controls, see the table "Control surface mode functions at a glance" on page 8 of this document.

### NOTE

With the HD8, the [RHYTHM] fader, status key, and parameter knob are also used. With the HD16, all of these are "not assigned".

## Switching banks operated by the fader section

A group of tracks operated by the controls (faders, status keys, parameter knobs) of the fader section is called a "bank". By switching the bank, you can control more tracks of Cubase LE.

With the HD8, there are four banks (1 - 4), and with the HD16 there are three banks (1 - 3). The table on the next page shows the Cubase LE track numbers that are assigned to the controls for each bank.

**Banks available with HD8**

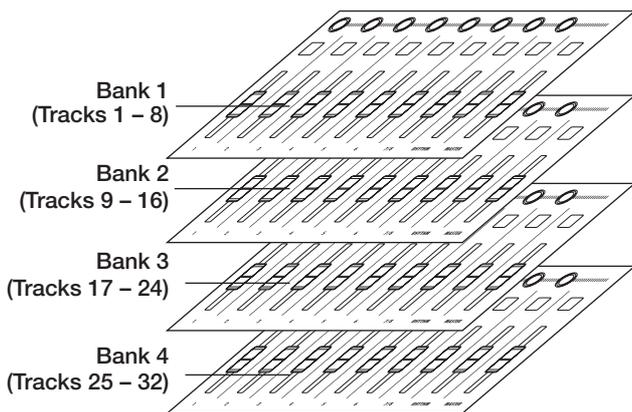
Controls	1	2	3	4	5	6	7/8	[RHYTHM]
Bank 1	Tr. 1	Tr. 2	Tr. 3	Tr. 4	Tr. 5	Tr. 6	Tr. 7	Tr. 8
Bank 2	Tr. 9	Tr. 10	Tr. 11	Tr. 12	Tr. 13	Tr. 14	Tr. 15	Tr. 16
Bank 3	Tr. 17	Tr. 18	Tr. 19	Tr. 20	Tr. 21	Tr. 22	Tr. 23	Tr. 24
Bank 4	Tr. 25	Tr. 26	Tr. 27	Tr. 28	Tr. 29	Tr. 30	Tr. 31	Tr. 32

**Banks available with HD16**

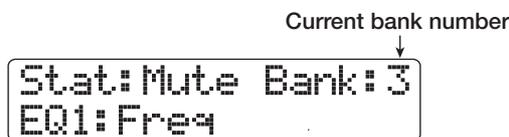
Controls	1	2	3	4	5	6
Bank 1	Tr. 1	Tr. 2	Tr. 3	Tr. 4	Tr. 5	Tr. 6
Bank 2	Tr. 13	Tr. 14	Tr. 15	Tr. 16	Tr. 17	Tr. 18
Bank 3	Tr. 25	Tr. 26	Tr. 27	Tr. 28	Tr. 29	Tr. 30
Controls	7	8	9/10	11/12	13/14	15/16
Bank 1	Tr. 7	Tr. 8	Tr. 9	Tr. 10	Tr. 11	Tr. 12
Bank 2	Tr. 19	Tr. 20	Tr. 21	Tr. 22	Tr. 23	Tr. 24
Bank 3	Tr. 31	Tr. 32	Tr. 33	Tr. 34	Tr. 35	Tr. 36

For example, when bank 1 is selected with the HD8, tracks 1 - 8 of Cubase LE can be controlled. Switching to bank 2 gives access to tracks 9 - 16.

● **How banks are organized (HD8)**



Use the cursor left/right keys to switch between banks. The currently selected bank is indicated on the first line of the display.



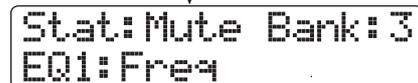
**Selecting a function to control with the status keys**

By using the status keys of the HD8/HD16, Mute, Rec (recording standby), and Solo on/off for the respective track in Cubase LE can be controlled. To select which of these functions is controlled by the status key, proceed as follows.

**1. Use the cursor left/right keys to select the bank that includes the track to control.**

The function currently assigned to the status key (Mute, Rec, Solo) is shown on the left side of the first line of the display.

On/off function assigned to status key



**2. Use the [SELECT] key to select the desired function.**

Each push of the key cycles the status key through the Mute → Rec → Solo function in turn.

**3. Press the status key for the target track to switch the selected function on or off.**

**Selecting a function to control with the parameter knob**

By using the parameter knobs of the HD8/HD16, panning, EQ, and effect send level can be adjusted for each track of Cubase LE. To select which of these functions is controlled by the knob, proceed as follows.

**1. Use the cursor left/right keys to select the bank that includes the track to control.**

The function currently assigned to the parameter knob is shown on the second line of the display.



Function assigned to parameter knob

**2. Press the key corresponding to the parameter to adjust.**

The table on the next page shows the adjustable Cubase LE parameters and the corresponding HD8/HD16 keys. Except for the PAN parameter, you select one of several parameters by pressing the same key repeatedly.

HD8/HD16 key	Display indication	Cubase LE parameter	Parameters accessible through repeated keypresses
[TRACK PARAMETER] key	SEND1 – SEND4	SEND1 – SEND4	SEND1 – 4 On/Off status and level are shown in turn.
[INPUT SOURCE] key	PAN	PAN	--
[BOUNCE] key	EQ1	EQ:LOW	EQ1 OnOff status, Gain, Freq and Q are shown in turn
[SCENE] key	EQ2	EQ:LO MID	EQ1 OnOff status, Gain, Freq and Q are shown in turn
[AUTO PUNCH IN/OUT] key	EQ3	EQ:HI MID	EQ1 OnOff status, Gain, Freq, and Q are shown in turn
[A-B REPEAT] key	EQ4	EQ:HI	EQ1 OnOff status, Gain, Freq, and Q are shown in turn

For example, pressing the [TRACK PARAMETER] key repeatedly cycles through the following parameters for control: SEND1: OnOff → SEND1: Level → SEND2: OnOff → SEND2: Level.

- Turn the parameter knob for the target track to adjust the parameter.

## Using the pads

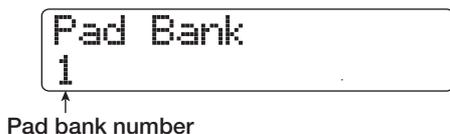
Also while the HD8/HD16 is in control surface mode, the pad playing information is output as MIDI messages. In control surface mode of the HD8/HD16, the following pad settings are possible.

### Switching the pad bank

When you switch the pad bank in control surface mode, the set of note numbers assigned to each bank changes. (For information on MIDI note numbers for each pad, see page 205 of the Operation Manual.)

- Hold down the [SHIFT] key and press pad 5 (CHORUS/DELAY).

The display indication changes as follows.



- Turn the dial to select the pad bank (1 - 3).  
When the setting is complete, press the [EXIT] key.

### Changing the pad sensitivity

You can adjust the volume that is produced according to the force with which you hit the pads (pad sensitivity).

- Hold down the [SHIFT] key and press pad 1 (CD-R/RW).

The display indication changes as follows.



For information on available settings, see page 125 of the Operation Manual.

- Turn the dial to select the pad sensitivity settings.

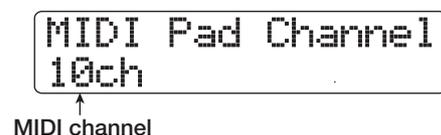
When the setting is complete, press the [EXIT] key to return to the previous screen.

### Setting the MIDI channel

To set the channel for sending MIDI messages, proceed as follows.

- Hold down the [SHIFT] key and press pad 6 (REVERB).

The display indication changes as follows.



- Turn the dial to select the MIDI channel (1 - 16).

When the setting is complete, press the [EXIT] key to return to the previous screen.

## Control surface mode functions at a glance

### NOTE

The control surface functions listed here are available only when the setup file provided by ZOOM has been loaded into Cubase LE.

	Control	Description	
Fader section	Parameter knob	Adjusts panning, EQ, and effect send level for respective track	
	Parameter knob [RHYTHM]	HD8: Adjusts panning, EQ, and effect send level for respective track HD16: Not assigned	
	Status key	Switch Mute, Rec, Solo on/off for respective track	
	Status key [RHYTHM]	HD8: Switch Mute, Rec, Solo on/off for respective track HD16: Not assigned	
	Status key [MASTER]	Not assigned	
	Fader	Adjust volume of respective track	
	Fader [RHYTHM]	HD8: Adjust volume of respective track HD16: Not assigned	
	Fader [MASTER]	Adjust master volume	
Function/transport section	[SELECT] key	Switch status key target	
	[SOLO] key	Open/close mixer	
	Cursor left/right keys	Switch fader section banks (HD8: 4 banks, HD16: 3 banks)	
	Cursor up key	Navigate up	
	Cursor down key	Navigate down	
	[ENTER] key	Move project window to foreground	
	Dial	Move the project cursor position	
	ZERO [◀◀] key	Return to zero the project cursor position	
	REW [◀] key	Rewind	
	FF [▶▶] key	Fast forward	
	STOP [■] key	Stop	
	PLAY [▶] key	Play	
	REC [●] key	Record	
Control section	[NEW PROJECT] key	Switch cycle mode on/off	
	[PROJECT/UTILITY] key	Switch monitoring on/off	
	[TRACK PARAMETER] key	Select SEND as parameter knob target	
	[INPUT SOURCE] key	Select PAN as parameter knob target	
	[BOUNCE] key	Select EQ1 as parameter knob target	
	[SCENE] key	Select EQ2 as parameter knob target	
	[AUTO PUNCH IN/OUT] key	Select EQ3 as parameter knob target	
	[A-B REPEAT] key	Select EQ4 as parameter knob target	
	[CLEAR] key	Open VST channel settings window	
	MARKER [◀◀] / [▶▶] keys	Move cursor to marked position, PI/PO point, or project start	
[MARK] key	Mark current cursor position.		
Pad section	Pads 1 – 9	Send playing information as MIDI messages	
	[CD-R/RW] key	+ [SHIFT] key	Show HD8/HD16 pad sensitivity adjustment screen
	[CONTROL SURFACE] key		Terminate control surface mode
	[USB] key		Enable/disable mass storage mode
	[CHORUS/DELAY] key		Show HD8/HD16 pad bank switching screen
	[REVERB] key		Show HD8/HD16 MIDI channel selection screen