FANTOM-6/7/8

DAW Integration Usage Guide

FANTOM EX Ver.1.0

Contents

Controlling Logic/MainStage 2
- ◇ Introduction 2
- ◇ Preparing to use the plug-in 2
- ◇ Using the DAW control plug-in 2
- ◇ Controlling Logic Pro 4
- ◇ Controlling MainStage 9

Controlling Ableton Live 11
- ◇ Getting ready 11
- ◇ Operating Ableton Live 11

Controlling Cubase/Studio One 14
- ◇ Getting ready 14
- ◇ Operating Cubase/Studio One 14

© 2022 Roland Corporation

Controlling Logic/MainStage

Introduction

By using the Logic/MainStage plug-in, you can control Logic Pro or MainStage from the FANTOM.

The main operations of Logic Pro/MainStage can be performed directly from the FANTOM., and you can use numerous controllers including the FANTOM's screen, sliders/knobs, buttons, and pads.

NOTE

This document explains procedures for the following versions of Logic Pro and MainStage.

Logic Pro: 10.7.0

MainStage: 3.5.3

Menus and other aspects might differ for other versions.

In this document, we refer to "the Logic/MainStage plug-in", but in the case of MainStage, this functionality is actually provided not as a plug-in but by installing a dedicated profile. If you are using MainStage, any references in this document to "plug-in" should be read as "profile".

Preparing to use the plug-in

Preparing the FANTOM

Specify the FANTOM's USB drive.

1. **Press the [MENU] button.**
2. **Touch <SYSTEM>.**
3. **Touch the <GENERAL> tab.**
4. **Select "USB Driver", and set it to "VENDOR".**
5. **Press the [WRITE] button to save the system settings.**
6. **Turn the FANTOM's power off and on again.**

Installing the USB driver

Install the USB driver on your Mac.

1. **From the product support page, download the FANTOM Driver.**

   To obtain the latest USB driver, access the following URL and download the driver for the model you're using.

   https://www.roland.com/support/

2. **Install the driver as directed by the procedure given on the download page.**

Installing the plug-in

Install the Logic/MainStage plug-in on your Mac.

1. **Download the plug-in from the product support page.**

   Access the following URL and download the plug-in.

   https://www.roland.com/support/

2. **Decompress the downloaded ZIP file.**

Logic Pro users

3. **Double-click"Fantom060708LogicCSPlugin_1.0.1.pkg".**

   Installation begins.

MainStage users

3. **Double-click "Fantom060708_MainStageProfile_1.0.1.pkg".**

   Installation begins.

4. **Proceed with installation as directed by the screen.**
5. **When the indication "Installation is completed" appears, click the [Close] button.**

Using the DAW control plug-in

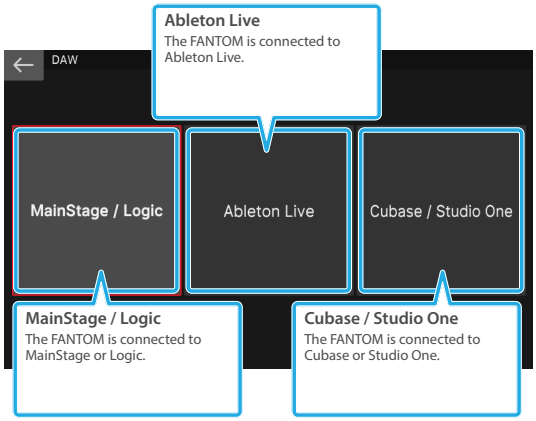
Logic Pro users

1. **Use a USB cable to connect the FANTOM to your Mac.**
2. **Start Logic Pro.**
3. **In Logic Pro, open the project that you want to use.**
4. **From the [Logic Pro] menu, select [Control Surfaces] → [Setup] to open the setting screen.**
5. **From the list, choose "FANTOM-6 7 8".**
6. **As the input port and output port, specify "FANTOM-6 7 8 DAW CTRL".**
7. **Press the FANTOM's [DAW CTRL] button to make it light.**

   If the connection is successful, the DAW CTRL function is enabled and the following screen is shown on the FANTOM's display.

8. **Select the "type" to connect using DAW CTRL.**

   In this example, tap <MainStage / Logic>.



9. **When you want to stop using DAW control, press the lit [DAW CTRL] button to turn off the DAW CTRL function.**

MEMO

Control Surface port selection is available only if check "Enable Complete Features" is selected in "Preferences" → "Advanced" is selected.

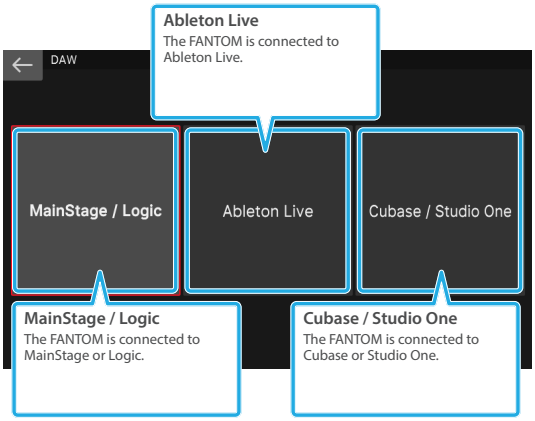
MainStage users

1. **Use a USB cable to connect the FANTOM to your Mac.**
2. **Start MainStage.**
3. **In MainStage, open the concert that you want to use.**
4. **Press the FANTOM's [DAW CTRL] button to make it light.**

   If the connection is successful, the DAW CTRL function is enabled and the following screen is shown on the FANTOM's display.

5. Select the "type" to connect using DAW CTRL.

In this example, tap <MainStage / Logic>.



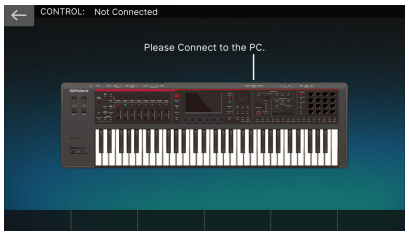
6. When you want to stop using DAW control, press the lit [DAW CTRL] button to turn off the DAW CTRL function.

MEMO

When you turn on the DAW CTRL function, there might be cases in which sound cannot be produced for a short time. This is due to the processing needed to load the Concert data for MainStage, and is not a malfunction.

NOTE

If the connection is not correct, a screen like the following appears.



- **Verify that the USB cable is correctly connected.**
- **Check whether the driver is correctly installed.**

Controlling Logic Pro

When controlling Logic Pro, you'll switch between three screens: the Mixer screen, the Track Edit screen, and the Transport screen.
In addition to using the [E1]–[E6] knobs, you can perform operations by directly touching or dragging icons and sliders in the screen.

Mixer screen



Icon	Explanation
Window Select	Switches screens.
Position	Indicates the locator position.
Transport	Performs play, stop, fast-forward, rewind, and record operations on Logic Pro.
Set Marker	Sets a marker.
Redo	Executes redo.
Undo	Executes undo.
MIXER Window	Specifies each track's volume, pan, and solo/mute settings.

MEMO

Depending on the track that's selected, some parameters might not be shown. Changes made in Logic such as the track name might not be immediately reflected in the FANTOM's screen.

Knob		Explanation
[E1] knob		Press the knob to switch between Track/Bank.
	Track	Turn the knob to switch tracks.
	Bank	Turn the knob to switch banks.
[E2] knob		Press the knob to switch between Cursor/Value.
	Cursor	Turn the knob to move the cursor position.
	Value	Turn the knob to specify the value of the parameter selected by the cursor.
	[E3] knob Position	Turn the knob to specify the locate position.
[E4] knob		Press the knob to switch cycle on/off.
	Start	Turn the knob to specify the start position of the cycle region.
[E5] knob		Press the knob to switch cycle on/off.
	End	Turn the knob to specify the end point of the cycle region.
[E6] knob		Press the knob to lock/unlock the master volume. If this is locked, turning the [E6] knob will not change the value.
	Master Volume	Turn the knob to set the master volume.

Track edit screen



Icon	Explanation
Window Select	Switches screens.
Position	Indicates the locator position.
Transport	Performs play, stop, fast-forward, rewind, and record operations on Logic Pro.
Set Marker	Sets a marker.
Redo	Executes redo.
Undo	Executes undo.
Track of Bank	Selects the track within the bank.
Track Mixer	Adjusts the volume, pan, and solo/mute settings of the selected track.
Smart Control	Adjusts the Smart Control parameters of the selected track.

MEMO

Depending on the track that's selected, some parameters might not be shown. Changes made in Logic to the Smart Control parameter names and Track names etc. might not be immediately reflected in the FANTOM's screen.

Knob		Explanation
[E1] knob		Press the knob to switch between Track/Bank.
	Track	Turn the knob to switch tracks.
	Bank	Turn the knob to switch banks.
[E2] knob		Press the knob to switch between Cursor/Value.
	Cursor	Turn the knob to move the cursor position.
	Value	Turn the knob to specify the value of the parameter selected by the cursor.
	[E3] knob Position	Turn the knob to specify the locate position.
[E4] knob		Press the knob to switch cycle on/off.
	Start	Turn the knob to specify the start position of the cycle region.
[E5] knob		Press the knob to switch cycle on/off.
	End	Turn the knob to specify the end point of the cycle region.
[E6] knob		Press the knob to lock/unlock the master volume. If this is locked, turning the [E6] knob will not change the value.
	Master Volume	Turn the knob to set the master volume.

Transport screen



Icon	Explanation
Window Select	Switches screens.
Position	Indicates the locator position.
Transport	Performs play, stop, fast-forward, rewind, and record operations on Logic Pro.
Set Marker	Sets a marker.
Redo	Executes redo.
Undo	Executes undo.
Position of Locate	Indicates the locate position.
Status Indicator	Indicates the cycle status.
Cycle Position	Indicates the cycle region.

Knob	Explanation
[E2] knob Level	Turn the knob to set the master volume.
[E3] knob Position	Turn the knob to specify the locate position.
[E4] knob	Press the knob to switch cycle on/off.
Start	Turn the knob to specify the start position of the cycle region.
[E5] knob	Press the knob to switch cycle on/off.
End	Turn the knob to specify the end point of the cycle region.
[E6] knob	Press the knob to lock/unlock the master volume. If this is locked, turning the [E6] knob will not change the value.
Master Volume	Turn the knob to set the master volume.

Shift menu screen

If you hold down the FANTOM's [SHIFT] button, the Shift menu screen appears, allowing you to perform other operations.
While continuing to hold down the [SHIFT] button, touch an icon or operate the [E1]–[E6] knobs.
You can access the Shift menu screen from any screen.



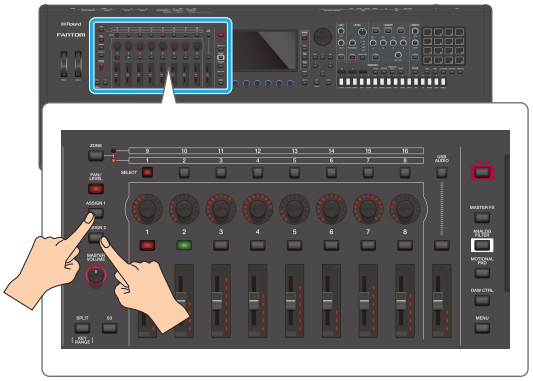
Icon	Explanation
Save	Saves the project. The already-saved project is overwritten.
Track Menu	Edits the track settings.
+Track MIDI	Adds a MIDI track.
+Track Audio	Adds an Audio track.
Delete Track	Deletes the track.
Open/Close Browser	Opens the corresponding browser in Logic Pro.
List Editor	Opens the list editor in Logic Pro.
Note Pad	Opens the note pad in Logic Pro.
LOOP Browser	Opens the loop browser in Logic Pro.
Media Browser	Opens the media browser in Logic Pro.
Count In/Metronome	Edits the count-in and metronome settings.
Count In	Turns the count-in on/off.
Metronome	Turns the metronome on/off.

Knob	Explanation
[E1] knob **Recall Solo**	Press the knob to switch between Recall Solo/Clear.
[E2] knob **Unmute All**	Press the knob to unmute all tracks.
[E3] knob **Move**	Turn the knob to move the cycle position region while preserving its length.
[E4] knob **Bar**	Press the knob to switch to "measures" as the unit for adjusting the cycle region start position and end position.
[E5] knob **Beat**	Press the knob to switch to "beats" as the unit for adjusting the cycle region start position and end position.
[E6] knob	Press the knob to lock/unlock the master volume. If locked, turning the [E6] knob will not change anything.
Master Volume	Turn the knob to adjust the master volume.

Using the control knobs and sliders for control

When the DAW CTRL function is on, you can use the FANTOM's control knobs and sliders to operate Logic Pro.

1. Press the [ASSIGN 1] button and [ASSIGN 2] button simultaneously.



The two buttons are lit.

2. Use control knobs [1]–[8] and sliders [1]–[8] to operate Logic Pro.

Controller	Explanation
Control knobs [1]–[8]	Control the Smart Control parameters of the selected track.
Sliders [1]–[8]	Adjust the volume of each track.

3. Press any one of the [PAN/LEVEL], [CTRL], or [ASSIGN] buttons to return to normal operation.

MEMO

You cannot set these functions when the DAW CTRL function is off.

Using the sequencer buttons for control

When the DAW CTRL function is on, you can use the buttons of the FANTOM's sequencer section to operate Logic Pro.

Controller	Explanation
[■STOP] button	Stops the Logic Pro project.
[►PLAY] button	Plays the Logic Pro project.
[●REC] button	Records on the Logic Pro project.

Using the pads for control

When "DAW Control" is selected as the PAD MODE for the FANTOM, you can use the FANTOM's pads to control Logic Pro.

Pad	Function	Explanation
[1]–[4]	Recall Screen Set 1–4	Recall screen sets 1–4.
[5]	ZOOM Horizontal IN	Zooms-in horizontally.
[6]	ZOOM Horizontal OUT	Zooms-out horizontally.
[7]	ZOOM Vertical IN	Zooms-in vertically.
[8]	ZOOM Vertical OUT	Zooms-out vertically.
[9]	Open Marker List / Close Window	Opens/closes the marker list.
[13]	Go to Next Marker	Moves to the next marker.
[14]	Go to Previous Marker	Moves to the previous marker.
[15]	Song Position by measure	Advances the locate position by one measure.
[16]	Play or Stop	While playing, operates as the stop button. While stopped, operates as the play button.

MEMO

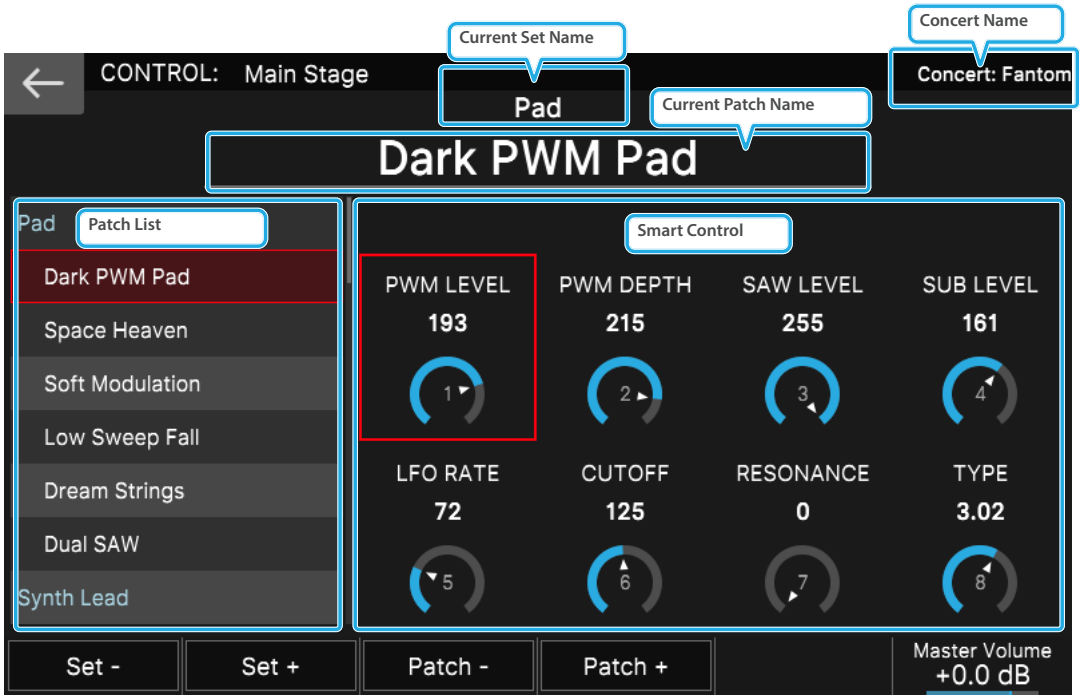
- **When PAD MODE is set to "DAW Control", you can continue using the pads to control Logic Pro even if you turn off the DAW CTRL function.**
- **[5]–[8] make sure that Logic Pro window is selected on Mac, in some case this command can not work.**

Controlling MainStage

When controlling MainStage, you'll use the Control Screen.

In addition to using the [E1]–[E6] knobs, you can perform operations by directly touching or dragging icons and sliders in the screen.

Control screen



Icon	Explanation
Patch List	Shows the patch list.
Current Set Name	Shows the name of the currently selected set.
Current Patch List	Shows the name of the currently selected patch.
Smart Control	Edit the Smart Control parameters.

Knob	Explanation
[E1] knob Set-	Press the knob to recall the previous set.
[E2] knob Set+	Press the knob to recall the next set.
[E3] knob Patch-	Press the knob to recall the previous patch.
[E4] knob Patch+	Press the knob to recall the next patch.
[E6] knob	Press the knob to lock/unlock the master volume. When locked, turning the [E6] knob does not change anything.
Master Volume	Turn the knob to adjust the master volume.

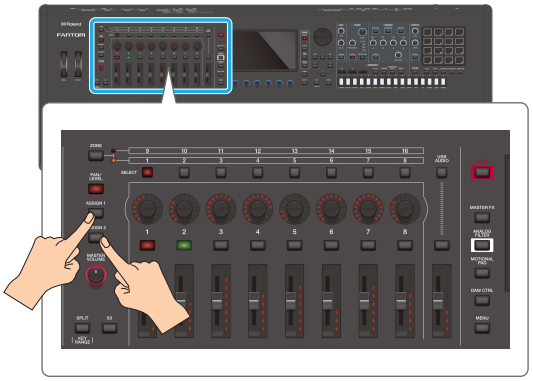
MEMO

- **Changes made in MainStage to parameter names such as the Set name, Track name, and Smart Control parameter names might not be immediately reflected in the FANTOM's screen.**
- **The Smart Control parameter values change according to the settings in MainStage. It is not necessarily the case that operations on the FANTOM will be able to set the parameter all the way to its minimum value or maximum value. Make prior settings in MainStage as necessary to reach the desired range.**
- **In case of problem, select the Mainstage → Edit → "Assignement & Mappings" tab and check if the "Device" is set as follows.**
  FANTOM-6 7 8
  → Pitch Bend, Expression, Sustain, Modulation
  FANTOM-6 7 8 DAW CTRL
  → Volume, Smart Knobs
  If the Mainstage project was already assigned to another controller, it can happen it takes of setting.

Using the control knobs for control

When the DAW CTRL function is on, you can use the FANTOM's control knobs to operate MainStage.

1. Press the [ASSIGN 1] button and [ASSIGN 2] button simultaneously.



The two buttons are lit.

2. Use control knobs [1]–[8] to operate MainStage.

Controller	Explanation
Control knobs [1]–[8]	Control the Smart Control parameters.

3. Press any one of the [PAN/LEVEL], [CTRL], or [ASSIGN] buttons to return to normal operation.

MEMO

You cannot set these functions when the DAW CTRL function is off.

Using the pads for control

When "DAW Control" is selected as the PAD MODE for the FANTOM, you can use the FANTOM's pads to control MainStage.

Pad	Function	Explanation
[1]	Previous Set	Recalls the previous set.
[2]	Next Set	Recalls the next set.
[3]	Previous Patch	Recalls the previous patch.
[4]	Next Patch	Recalls the next patch.
[13]	MIDI PC INC	Sends a Program Change message. The value sent is incremented by one each time you press the pad.
[14]	MIDI PC DEC	Sends a Program Change message. The value sent is decremented by one each time you press the pad.

MEMO

When PAD MODE is set to "DAW Control", you can continue using the pads to control MainStage even if you turn off the DAW CTRL function.

Controlling Ableton Live

Follow these steps to control the major functions of Ableton Live from the FANTOM, and to access many of the FANTOM's controllers like the screen, sliders/knobs, buttons, pads and so on.

Getting ready

Preparing the FANTOM

Specify the FANTOM's USB drive.

1. **Press the [MENU] button.**
2. **Touch <SYSTEM>.**
3. **Touch <GENERAL> tab.**
4. **Select "USB Driver", and set it to "VENDOR".**
5. **Press the [WRITE] button to save the system settings.**
6. **Turn the FANTOM's power off and on again.**

Installing the USB driver

For windows users

Here are the steps to install the USB driver in Windows.

1. **Connect your computer to the FANTOM's USB port via USB cable.**

   The driver is installed automatically.

* **Do not use a USB cable that is designed only for charging. Charge-only cables cannot transmit data.**

* **The driver is not installed if your computer is not connected to the Internet.**

For mac users

Install the USB driver on your Mac.

1. **From the product support page, download the FANTOM Driver.**

   To obtain the latest USB driver, access the following URL and download the driver for the model you're using.

   https://www.roland.com/support/

2. **Install the driver as directed by the procedure given on the download page.**

Connecting

Configuring Ableton Live

1. **Start Ableton Live.**
2. **Open the Preferences and select the "Link/MIDI" tab.**
3. **In Control Surface, select "FANTOM", and set the INPUT/OUTPUT to "FANTOM 6 7 8 DAW CTRL".**

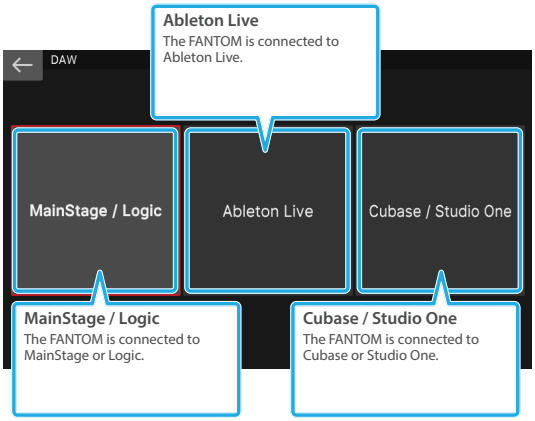
Configuring the FANTOM

1. **Press the FANTOM's [DAW CTRL] button to make it light.**

   If the connection is successful, the DAW CTRL function is enabled and the following screen is shown on the FANTOM's display.

2. **Select the "type" to connect using DAW CTRL.**

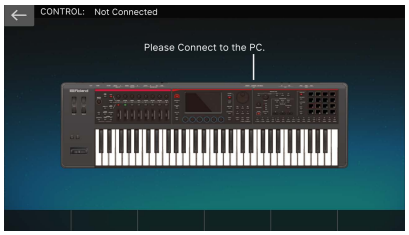
   In this example, tap <Abeleton Live>.



3. **When you want to stop using DAW control, press the lit [DAW CTRL] button to turn off the DAW CTRL function.**

NOTE

If the connection is not correct, a screen like the following appears.



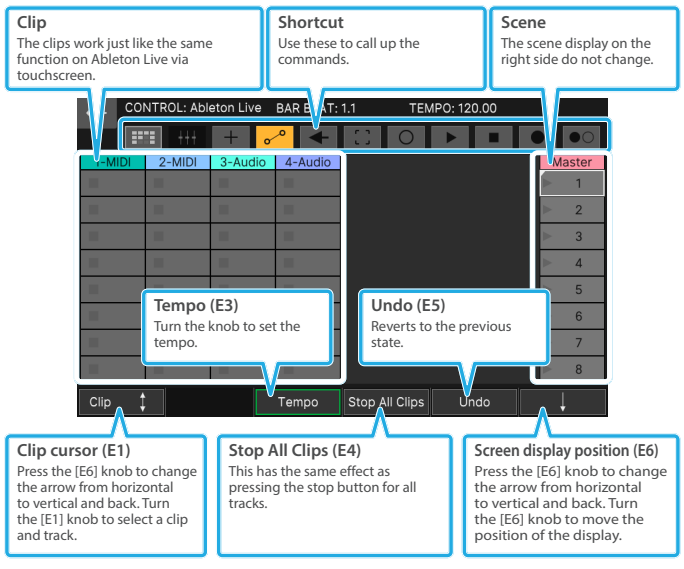
- **Verify that the USB cable is correctly connected.**
- **Check whether the driver is correctly installed.**

Operating Ableton Live

Switch between the SESSION VIEW and MIXER VIEW screens when controlling Ableton Live.

Aside from the [E1]–[E6] knobs, you can directly touch or drag the icons and sliders on the screen to operate the software.

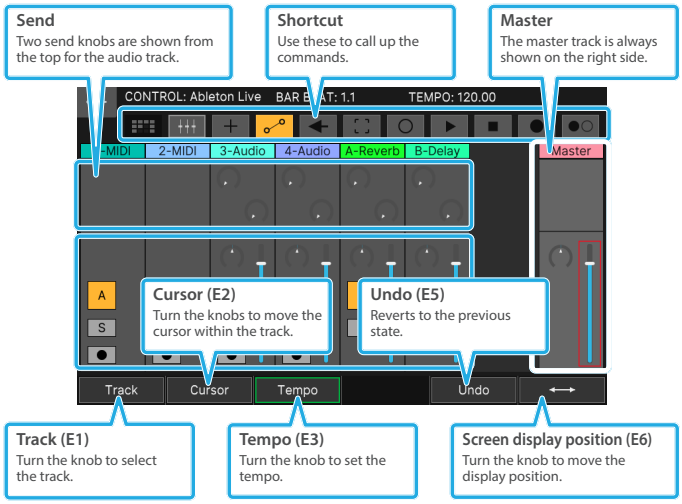
SESSION VIEW screen



Item	Explanation
Shortcut	Use these to call up the commands.
	SESSION VIEW Switches to SESSION VIEW.
	MIXER VIEW Switches to MIXER VIEW.
	MIDI Arrangement Overdub When this is turned on, the newly-recorded MIDI data is mixed with the MIDI clips in the arrangement.
	Automation Arm When this is turned on, any manual edits you make to the parameters are recorded in the session clips and arrangement.
	Re-Enable Automation All parameter automation that was disabled for the clip is enabled again.
	Capture MIDI The phrase (MIDI notes) you just played is created as a new clip in each MIDI track being monitored.
	Session Record Button Starts or stops overdub recording of clips for tracks that can be played back or recorded.
	Play Button Resumes playback of the clip.
	Stop Button Clip playback stops when the playback time set in Follow Action Time is exceeded. Note that this setting takes priority over the clip loop/ region setting.
	Arrangement Record Button Starts recording to the arrangement.
	Metronome Enables the metronome.
Scene	The scene display on the right side do not change.

Knob	Explanation
[E1] knob Clip cursor	Turn the knob to select the clip or track. A clip is created each time you press the knob.
[E3] knob Tempo	Turn the knob to set the tempo.
[E4] knob Stop All Clips	This has the same effect as pressing the stop button for all tracks.
[E5] knob Undo	Reverts to the previous state.
[E6] knob Screen display position	Turn the knob to move the display position. The direction of movement switches between horizontal and vertical each time you press the knob.

MIXER VIEW screen



Item	Explanation
Send	Two send knobs are shown from the top for the audio track.
Shortcut	Use these to call up the commands. ➡ "SESSION VIEW screen"
Master	The master track is always shown on the right side.
Track Activator	A — Enable this to hear the track.
Solo/Cue	S — When the solo/cue switch for the session mixer master track is set to solo, all other tracks are muted and only the current track can be heard. When the solo/cue switch for the session mixer master track is set to cue, the current track is sent to the channel specified by the cue output selector.
Arm Recording	You can record when this is enabled.

Knob	Explanation
[E1] knob Track	Turn the knob to select the track.
[E2] knob Cursor	Turn the knobs to move the cursor within the track.
[E3] knob Tempo	Turn the knob to set the tempo.
[E5] knob Undo	Reverts to the previous state.
[E6] knob Screen display position	Turn the knob to move the display position.

DAW CTRL for operating the control knobs and sliders ([CTRL] + [ASSIGN])

You can use a DAW CTRL controller to adjust even more parameters.

Macro control
Each knob is automatically assigned to macro control.



Track volume
You can adjust the volume for each track shown in the LCD using the sliders.

PAD MODE (DAW CTRL) for operating the pads

The drum rack can be played using DAW CTRL in PAD mode.



Drum rack and notes
You can play the drum rack using DAW CTRL in PAD mode.

Controlling Cubase/Studio One

You can use many of the FANTOM's controllers like the screen, sliders and knobs, buttons, pads and so on to directly control the major functions of Cubase/Studio One.

Getting ready

Preparing the FANTOM

Specify the FANTOM's USB drive.

1. **Press the [MENU] button.**
2. **Touch <SYSTEM>.**
3. **Touch <GENERAL> tab.**
4. **Select "USB Driver", and set it to "VENDOR".**
5. **Press the [WRITE] button to save the system settings.**
6. **Turn the FANTOM's power off and on again.**

Installing the USB driver

For windows users

Here are the steps to install the USB driver in Windows.

1. **Connect your computer to the FANTOM's USB port via USB cable.**

   The driver is installed automatically.

* **Do not use a USB cable that is designed only for charging. Charge-only cables cannot transmit data.**

* **The driver is not installed if your computer is not connected to the Internet.**

For mac users

Install the USB driver on your Mac.

1. **From the product support page, download the FANTOM Driver.**

   To obtain the latest USB driver, access the following URL and download the driver for the model you're using.

   https://www.roland.com/support/

2. **Install the driver as directed by the procedure given on the download page.**

Connecting

Configuring Cubase

1. **Launch Cubase.**
2. **Add a device from Studio > Studio Settings.**
3. **Select "Mackie Control".**

   MIDI input: select **"FANTOM - 6/7/8 DAW CTRL"**

   MIDI output: select **"FANTOM - 6/7/8 DAW CTRL"**

Configuring Studio One

Keyboard settings

1. **Studio One > Options > External Devices > Add > Add New Keyboard**

   For **"Receive From"**, select **"FANTOM-6 7 8"**.

   For **"Send To"**, select **"FANTOM-6 7 8"**.

MIDI control settings

2. **Studio One > Options > External Devices > Add > Mackie Control**

   For **"Receive From"**, select **"FANTOM-6 7 8 DAW CTRL"**.

   For **"Send To"**, select **"FANTOM-6 7 8 DAW CTRL"**.

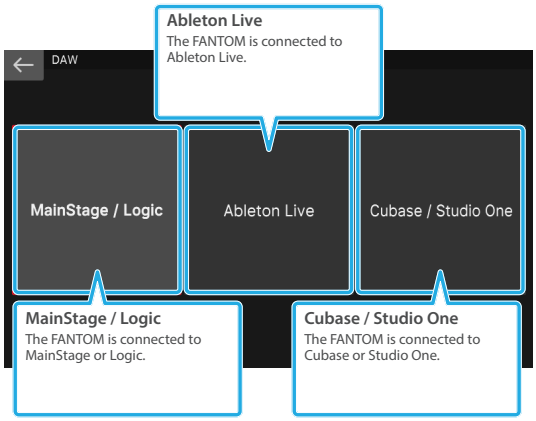
FANTOM settings

1. **Press the [DAW CTRL] button on the FANTOM. The button lights up.**

   If the connection is successful, the DAW CTRL function is enabled and the following screen is shown on the FANTOM's display.

2. **Select the "type" to connect using DAW CTRL.**

   Tap <Cubase / Studio One>.

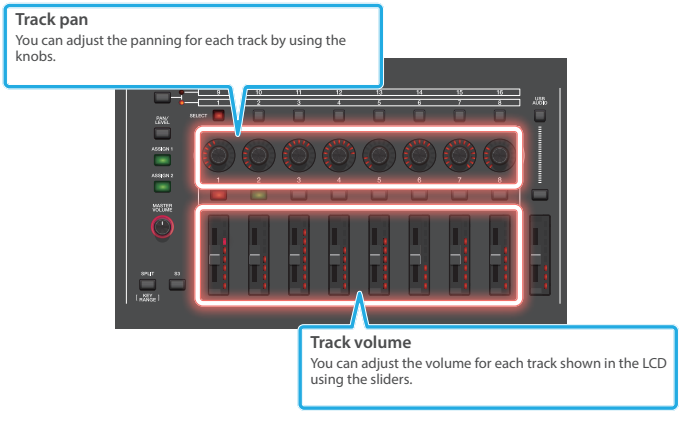


3. **To stop controlling, press the [DAW CTRL] button that's lit up, and switch the DAW CTRL function off.**

Operating Cubase/Studio One

DAW CTRL (ASSIGN1+ASSIGN2)

You can use a DAW CTRL controller to adjust even more parameters.



PAD MODE (DAW CTRL)

On the FANTOM, set PAD MODE to **"DAW CONTROL"**.

