Logic/MainStage Plug-In Usage Guide

Introduction

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

The main operations of Logic Pro X/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 X and MainStage.

Logic Pro X: 10.4.4
MainStage: 3.4.2
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 X users

3. **Double-click "FantomLogicCSPlugin_1.0.0.pkg."**

   Installation begins.

MainStage users

3. **Double-click "Fantom_MainStageProfile_1.0.0.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 X users

1. **Use a USB cable to connect the FANTOM to your Mac.**

2. **Start Logic Pro X.**

3. **In Logic Pro X, open the project that you want to use.**

4. **From the [Logic Pro X] 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.**

   When connection is successful, the DAW CTRL function turns on, and the FANTOM's display shows the DAW CTRL screen.

8. **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 show Advanced Tool is selected and "Additional Option" → "Control Surface" is selected.
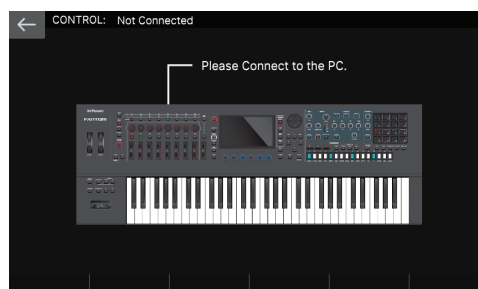
MainStage users

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.**

   When connection is successful, the DAW CTRL function turns on, and the FANTOM's display shows the DAW CTRL screen.

5. **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 X

When controlling Logic Pro X, 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 X.
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.

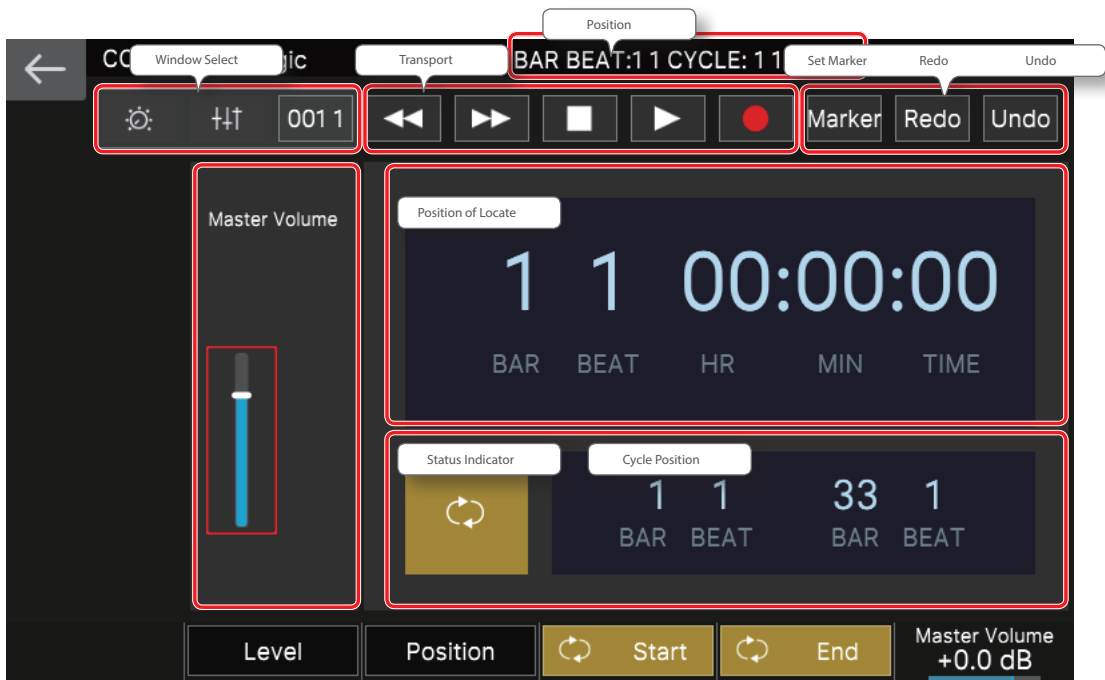| Knob	Explanation
[E1] knob	Press the knob to switch between Track/Bank.
Track	Turn the knob to switch tracks.
Bank	Turn the knob to switch banks.
[E2] knob	Press the knob to switch between Cursor/Value.
Cursor	Turn the knob to move the cursor position.
Value	Turn the knob to specify the value of the 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 X.
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		Turn the knob to specify the locate position.
	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 X.
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.

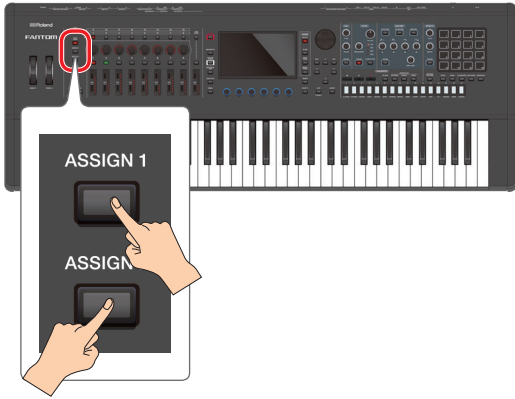You can access the Shift menu screen from any screen.

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 X.
List Editor	Opens the list editor in Logic Pro X.
Note Pad	Opens the note pad in Logic Pro X.
LOOP Browser	Opens the loop browser in Logic Pro X.
Media Browser	Opens the media browser in Logic Pro X.
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 X.

1. Press the [ASSIGN1] button and [ASSIGN2] button simultaneously.

The two buttons are lit green.

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

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], [ASSIGN 1], or [ASSIGN 2] buttons to return to normal operation.

MEMO

When you turn off the DAW CTRL function, the knob indications return to the function that had been previously selected. 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 X.

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

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 X even if you turn off the DAW CTRL function.
- [5]–[8] make sure that Logic Pro X 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

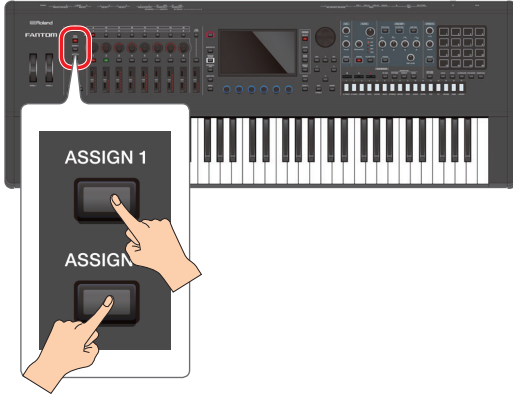| Icon	Explanation
Patch List	Shows the patch list.
Current Set Name	Shows the name of the currently selected set.
Current Patch List	Shows the name of the currently selected patch.
Smart Control	Edit the Smart Control parameters.

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 port 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.

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.

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 [ASSIGN1] button and [ASSIGN2] button simultaneously.

The two buttons are lit green.

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], [ASSIGN 1], or [ASSIGN 2] buttons to return to normal operation.

> **MEMO**
>
> When you turn off the DAW CTRL function, the knob indications return to the function that had been previously selected. 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]	Next Set	Recalls the next set.
[2]	Previous Set	Recalls the previous set.
[3]	Next Patch	Recalls the next patch.
[4]	Previous Patch	Recalls the previous patch.
[13]	MIDI PC INC	Sends a Program Change message. The value sent is incremented by one each time you press the pad.
[14]	MICI 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.