

TASCAM

FireOne Application Notes

Version 1.00

Ableton Live	2
Control Surface Configuration.....	2
Control Assignments.....	2
Visual Metronome	2
MIDI Clock Rotate and Beat modes.....	2
Steinberg	3
Control Surface Configuration.....	3
Control Assignments.....	3
Visual Metronome	4
MIDI Clock Rotate and Beat modes.....	4
Metronome mode	4
Cakewalk SONAR.....	5
Control Surface Configuration.....	5
Control Assignments.....	5
Visual Metronome	6
MIDI Clock Rotate and Beat modes.....	6
Metronome mode:.....	6
Apple Logic	7
Control Surface Configuration.....	7
Control Assignments.....	7
Visual Metronome	8
MIDI Clock Rotate and Beat modes.....	8
Apple Final Cut Pro	9
Control Surface Configuration.....	9
Control Assignments.....	9
MOTU Digital Performer	10
MIDI Configuration.....	10
Control Surface Configuration.....	10
Control Assignments.....	11
Visual Metronome	11
MIDI Clock Rotate and Beat modes.....	11
Metronome mode:.....	11

Ableton Live

Also Ableton Live Lite 6 TASCAM Edition

Control Surface Configuration

- Under the Options menu, select Preferences
- Click the MIDI tab on the left
- Under the Control Surface 1 pulldown, choose FireOne
 - Ensure that Input and Output are set to FireOne Control
- Close the Preferences window

Control Assignments

Following are the default F-Key assignments in Live.

F1	Track 1 Mute On/Off
F2	Track 2 Mute On/Off
F3	Track 3 Mute On/Off
F4	Track 4 Mute On/Off
F5	Track 5 Mute On/Off
F6	Track 6 Mute On/Off
F7	Track 7 Mute On/Off
F8	Track 8 Mute On/Off
SHIFT + F1	Track 1 Record On/Off
SHIFT + F2	Track 2 Record On/Off
SHIFT + F3	Track 3 Record On/Off
SHIFT + F4	Track 4 Record On/Off
SHIFT + F5	Track 5 Record On/Off
SHIFT + F6	Track 6 Record On/Off
SHIFT + F7	Track 7 Record On/Off
SHIFT + F8	Track 8 Record On/Off

It is possible to re-assign the above defaults in Live. Please refer to the Live manual for Manual MIDI Mapping.

Visual Metronome

MIDI Clock Rotate and Beat modes

- Open the FireOne Control Panel. Change the *Display Mode* to *MIDI Clock Flash* or *MIDI Clock Rotate*.
- Under the Options menu, select Preferences
- Choose the "MIDI Sync" tab on the left
- In the row labeled "Output: FireOne Control" click ON the button in the Sync column.

Steinberg

Control Surface Configuration

- Run the FireOne driver installer and check the box for your desired plug-in (Cubase or Nuendo). Please see the Release Notes for detailed installation instructions.
- Open the FireOne control panel and ensure the Control Protocol is set to Native
- Launch Cubase
- Select Device Setup under the Devices menu
- Click on the + in the upper right side of the window to add a new device. Select the TASCAM FireOne.
- In the TASCAM FireOne Device window, select FireOne Control for MIDI Input and MIDI Output.
- Click Apply

Control Assignments

NOTE: The following default assignments relate to Cubase 4. Not all the commands shown below will be present in other Steinberg apps, such as Cubase 3, Nuendo, or Cubase Studio 4.

F1	Show/hide the Time Display
F2	Show/hide the Transport
F3	Show/hide the Mixer
F4	Show/hide VST Connections
F5	Show/hide MediaBay
F6	Show/hide the Loop Browser
F7	Show/hide the SoundFrame Browser
F8	Show/hide the DirectShow Video Player
SHIFT + F1	New Project
SHIFT + F2	Open Project
SHIFT + F3	Close
SHIFT + F4	Save
SHIFT + F5	Save As...
SHIFT + F6	Add Track > Audio > Mono
SHIFT + F7	Add Track > MIDI
SHIFT + F8	Display the Project Setup window

It is possible to re-assign the above defaults in the Steinberg app:

- Select Device Setup under the Devices menu
- Click on the TASCAM FireOne device
- On the right will be a matrix with two columns of application commands that can be assigned to an F-Key. Click on an item to see other choices or make another selection.
- Click Apply

Visual Metronome

MIDI Clock Rotate and Beat modes

- Open the FireOne Control Panel. Change the *Display Mode* to *MIDI Clock Flash* or *MIDI Clock Rotate*.
- In the Transport | Synchronization Setup dialog:
 - Timecode Source = "Internal Timecode"
 - MIDI Clock Destinations: Check "FireOne Control (Emulated)"

Metronome mode

- Open the FireOne Control Panel. Change the *Display Mode* to *Metronome*.
- In the Transport | Metronome Setup dialog:
 - Activate MIDI Click
 - Port = FireOne Control (Emulated)
 - Channel = 1
 - Hi Note = G#4, Middle velocity
 - Lo Note = A4, Middle velocity

NOTE: Turn on the metronome from the transport bar, or select Metronome On from the Transport menu.

Cakewalk SONAR

FireOne has been tested with SONAR Versions 5 and 6.

Control Surface Configuration

- Run the FireOne driver installer and check the box for the SONAR plug-in. Please see the Release Notes for detailed installation instructions.
- Open the FireOne control panel and ensure the Control Protocol is set to Native
- Launch SONAR
- Select Control Surfaces under the Options menu
- Click on the yellow star to add a control surface
- From the Controller/Surface pulldown, select TASCAM FireOne
- Select FireOne Control for both the MIDI Input Port and MIDI Output Port
- Click OK then close the Controllers/Surfaces window

Control Assignments

Following are the default F-Key assignments in SONAR.

F1	All Safe / All Record
F2	Clear Solos
F3	Clear Mutes
F4	Close Window
F5	Go Previous Marker
F6	Go Next Marker
F7	Send Enter key
F8	Send Space key
SHIFT + F1	Set Loop From
SHIFT + F2	Set Loop Thru
SHIFT + F3	Loop Toggle
SHIFT + F4	Set Punch From
SHIFT + F5	Set Punch Thru
SHIFT + F6	Punch Toggle
SHIFT + F7	Edit Undo
SHIFT + F8	Edit Redo
Footswitch	Transport Record

It is possible to re-assign the above defaults in SONAR:

- Select TASCAM FireOne under the Tools menu
- You will see a pulldown menu for each of the F-Keys (unshifted and shifted) and the footswitch input.
- Use the pulldowns to select your desired function for each.
- The settings here are remembered globally by SONAR
- At the top of this window, there is a standard SONAR interface for saving assignment sets.
- At the bottom of this window, you can set the wheel resolution for transport locate.

Visual Metronome

MIDI Clock Rotate and Beat modes

- Open the FireOne Control Panel. Change the *Display Mode* to *MIDI Clock Flash* or *MIDI Clock Rotate*.
- Under the Options menu, select Project and choose the "Sync" tab
- Check the box for Transmit MIDI Start/Continue/Stop/Clock
- Check the box for FireOne Control in the area labeled "MIDI Sync Output Ports:"
 - It is not necessary to also transmit MTC)

Metronome mode:

- Open the FireOne Control Panel. Change the *Display Mode* to *Metronome*.
- Under the Options menu, select Project Options and choose the "Metronome" Tab
- Check both "Playback" and "Recording"
- Choose "Use MIDI Note"
- Under MIDI Note, choose the Port number corresponding to the FireOne Control Port. If the FireOne is your only MIDI interface, this will be Port 2.
- Choose Channel = 1, Duration = 6
- First beat: Key = G#6, Velocity = 127
- Other beats: Key = A6, Velocity = 100
- NOTE: The velocity you assign here will determine the brightness of the wheel's LEDs. If you want a greater difference between the first beat and the other beats, use a lower value for the other beats, keeping the first beat set to 127.

Apple Logic

FireOne has been tested with Apple Logic Pro

Control Surface Configuration

- Run the FireOne control panel installer
- Open the FireOne control panel and ensure the Control Protocol is set to Native
- Launch Logic Pro
- Click the *Logic Pro* menu and select *Preferences > Control Surfaces > Setup...*
- Click on the *New* menu in the Setup window and choose *Install...*
- Choose *Mackie Control* from the list and click the *Add* button. When Logic finishes, click *Done*.
- Select the *Setup* window again if it's not already on top. Click on the *Out Port* menu and set it to FireOne Control Port.
- Select the *Input* directly below that and set it to FireOne Control Port.
- The transport buttons (Play, Stop, etc.) and jog wheel should now be working.
- Click the close button.

Control Assignments

Following are the default F-Key assignments in Logic Pro.

F1	Screenset 1/Arrange
F2	Screenset 2/Mixer View
F3	Screenset 3/Environment
F4	Screenset 4/Matrix Edit with Transform
F5	Screenset 5/Matrix Edit
F6	Screenset 6/Score Edit
F7	Screenset 7/Audio Window
F8	New Audio window
SHIFT + F1	New Arrange Window
SHIFT + F2	New Mixer Window
SHIFT + F3	New Event List Window
SHIFT + F4	New Score Window
SHIFT + F5	New Hyper Edit Window
SHIFT + F6	New Matrix Edit Window
SHIFT + F7	New Transport Window
SHIFT + F8	New Audio Window

It is possible to re-assign the above defaults in Logic Pro.

- Click the Logic Pro menu and select *Preferences > Key Commands...*
- In the top right corner of the Key Commands window is a search command. Search for something you want to assign, such as "metronome click."
- Select a command from the list on the left side of the display.
- Press the *Learn New Assignment* button on the bottom right corner of the window.
- Press a button on the FireOne to assign that command to the button.

Visual Metronome

MIDI Clock Rotate and Beat modes

- Open the FireOne Control Panel. Change the *Display Mode* to *MIDI Clock Flash* or *MIDI Clock Rotate*.
- In Logic Pro, click and hold click on the File menu and select *File > Song Settings > Synchronization*.
- Click the *MIDI* tab at the top of the window.
- Under *Transmit MIDI Clock*, click the *Destination 1* checkbox and select FireOne Control Port from the pulldown menu.
- Press play. You should see the FireOne flash in time with the music.

Apple Final Cut Pro

Control Surface Configuration

- Run the FireOne control panel installer
- Open the FireOne control panel and ensure the Control Protocol is set to Native
- Launch Final Cut Pro
- Click the *Tools* menu and select *Control Surfaces...*
- Click on the + button at the bottom right corner of the window.
- Set *Control Surface Type* to Mackie Control, and set the *Input and Output connections* to FireOne – Control. Press OK when you're finished.
- Open the *Tools* menu and select *Audio Mixer*. You can only use a control surface with Final Cut Pro if the audio mixer window is open.

Control Assignments

Following are the default F-Key assignments in Final Cut Pro.

F1	Mark In
F2	Mark Out
F3	Toggle Link
F4	Lock Video Track
F5	Lock Audio Track
F6	Set Audio Destination 1
F7	Set Audio Destination 2
F8	New Audio window

It is possible to re-assign the above defaults in Final Cut Pro.

- Open the Tools menu and select *Tools > Keyboard Layout > Customize*.
- Click the Lock button at the bottom left corner of the window.
- Select a command from the list on the right side of the display, or search for the parameter you want to assign.
- Press a button on the FireOne to assign that command to the button.

You can assign eight more commands of your choice using the above steps with SHIFT plus a FireOne F-Key.

MOTU Digital Performer

The FireOne is only compatible with Universal Binary Digital Performer Versions 5 and higher that support both PowerPC and Intel Mac computers.

MIDI Configuration

- Launch OS X Audio MIDI Setup
- View the MIDI Devices tab
- Click the Add Device icon
- Double-click on the "new external device" icon and configure its properties to match the capabilities of FireOne. We'll assume you will rename "new external device" to be "Fire1 DP" and that this device has 1 MIDI in and 1 MIDI out.
- Quit the "Fire1 DP" MIDI Properties" window.
- In the "MIDI Devices" tab, drag the "Fire1 DP " icon so that it is under the "FireOne" icon.
- In the "MIDI Devices" tab, connect the "Fire1 DP" MIDI out port to the "FireOne" MIDI in by a clicking on one port and dragging to the other port.
- Connect the "FireOne" MIDI out port to the "Fire1 DP" MIDI in port in the same way.

By setting this up, DP will be able to query OS X to determine what MIDI gear is connected to the FireOne's MIDI ports.

- Launch DP 5
- Load a project that has a MIDI track.
- Click on the output routing menu for a MIDI track. You should see "Fire1 DP" listed in the menu.

Control Surface Configuration

If you are running Universal Binary Digital Performer 5, or higher and have installed the FireOne plug-in:

- Under the Setup menu, choose Control Surface Setup
- Select FireOne as the Driver
- Select FireOne Control-1 as the MIDI port
- Click OK

Control Assignments

Following are the default F-Key assignments in Digital Performer.

F1	Control+F1
F2	Control+F2
F3	Control+F3
F4	Control+F4
F5	Control+F5
F6	Control+F6
F7	Control+F7
F8	Control+F8

SHIFT + F1	Option+F1
SHIFT + F2	Option+F2
SHIFT + F3	Option+F3
SHIFT + F4	Option+F4
SHIFT + F5	Option+F5
SHIFT + F6	Option+F6
SHIFT + F7	Option+F7
SHIFT + F8	Option+F8

It is possible to re-assign the above defaults in Digital Performer using the Setup > Command dialog.

Visual Metronome

MIDI Clock Rotate and Beat modes

- Open the FireOne Control Panel. Change the *Display Mode* to *MIDI Clock Flash* or *MIDI Clock Rotate*.
- Under the Preferences menu, select Transmit Sync
- Choose FireOne Control 1 under the “Transmit beat clock via port(s):”
- Select “Generate MIDI Beat Clocks and “24 clocks per quarter note”

Metronome mode:

- Open the FireOne Control Panel. Change the *Display Mode* to *Metronome*.
- Under the Preferences menu, select Play & Record > Click (or double click the metronome icon in the Transport window)
- Select MIDI for Type of Click
- Select the FireOne Control Port 1 for Accented and Normal
 - Channel = 1
 - Accented Note = Ab4
 - Normal Note = A4