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Welcome, and Thank You!

Thank you for making Fishman a part of your musical experience. We are proud to offer the best products available; high-quality professional-grade tools which empower you to sound your very best. All of our products are designed with the upmost thought and care given to quality and sound. We hope you enjoy the TriplePlay FC-1!

FISHMAN[®] TriplePlay FC-1 Foot Controller

FC-1 Guide Contents:

- What is the FC-1?
- Hardware Connections and Layout
- FC-1 Definitions
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- Using the Tuner
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- FC-1 Setups
- TriplePlay Tips
- TriplePlay Definitions

FISHMAN[®]
TriplePlay
FC-1 Controller

midi

power

patch —

tuner

patch +



FISHMAN[®]

For more detailed instructions please visit www.fishman.com/tripleplay

What is the FC-1?

What is the FC-1?

The FC-1 is a MIDI Footcontroller accessory specifically designed for use with the TriplePlay Wireless and TriplePlay Connect Guitar MIDI controllers. You can use the FC-1 to navigate through Tripleplay Patches, program switches to control hardware and software devices, and much more. This manual will guide you through how to operate and program your FC-1 device. For more information on TriplePlay guitar controllers, visit us at www.Fishman.com/TriplePlay.

Either a TriplePlay Wireless or TriplePlay Connect controller is required in order to use the TriplePlay FC-1. *(TriplePlay Guitar controller not included)*



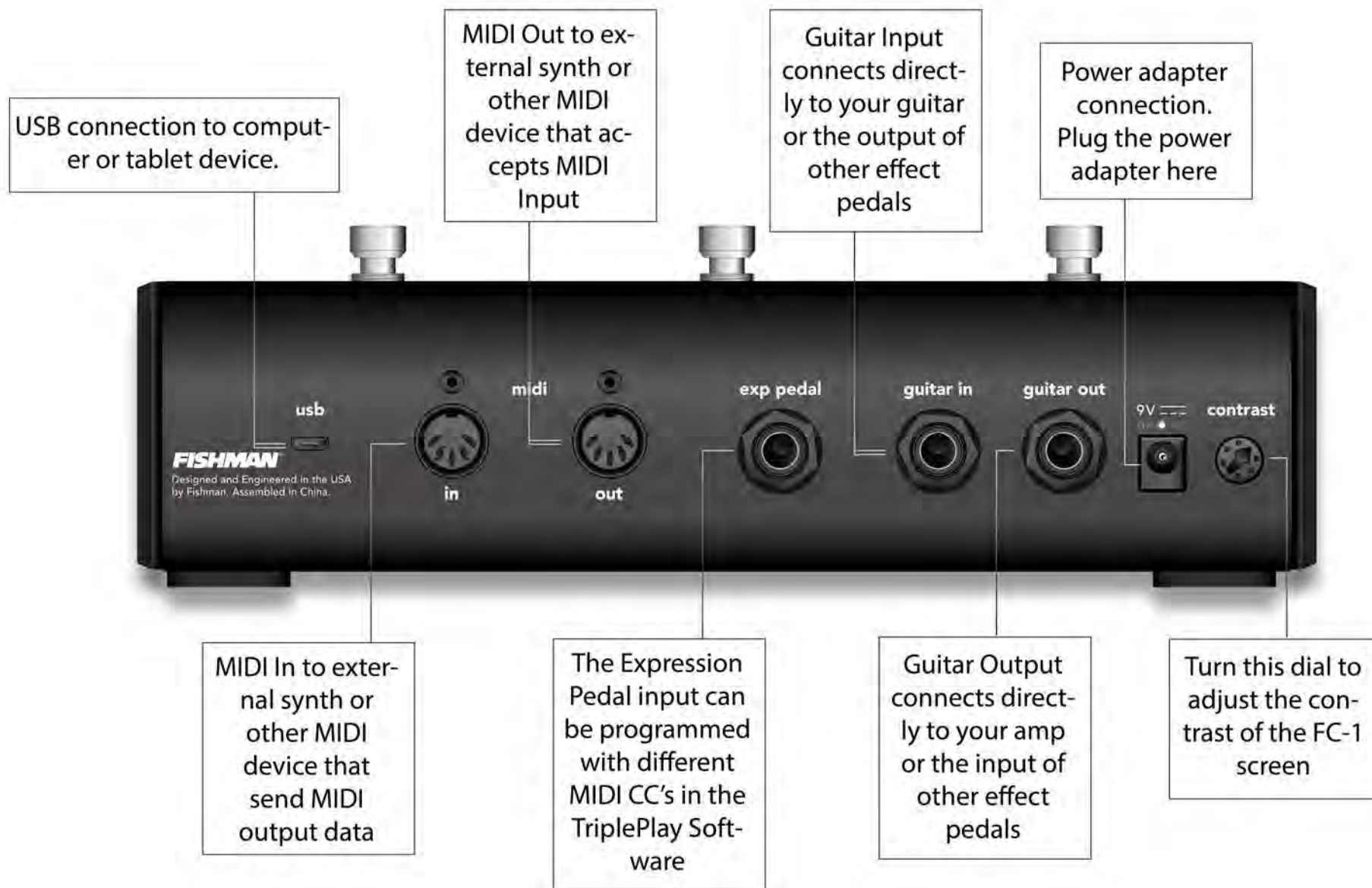
FC-1 Hardware Operation

Hardware Connections and Layout



FC-1 Hardware Operation

Hardware Connections and Layout (continued)



FC-1 Hardware Operation



A

patch - This switch by default is a MIDI program change and changes the patch on the TriplePlay controller or the TriplePlay Software - 1 increment. For example, if the patch in the TriplePlay controller is Poly Program 7 pressing this will move to Poly Program 6.

TriplePlay Software - If the patch is from the TriplePlay Software, it will switch to the previous patch in the library list the patch was loaded from. This switch can also be programmed as a MIDI CC in the TriplePlay Software to control parameters in virtual or hardware synths. Once programmed as a MIDI CC in the software, the switch will maintain that MIDI CC even when disconnected from the software, allowing for use with hardware synths while not connected to a computer.

Connect iPad App - This switch can also be programmed in the Connect iPad App to control specific parameters in the Connect app. See the Settings area of the Connect iPad app, available for free from the Apple App Store.

Utility functions - This switch is also utilized in the internal settings of the FC-1 as a way to navigate through the different menus as a 'single press' or 'press and hold' in the following areas:

Tuner - Single Press: Exits the Tuner

Settings menu -

StrSens(String Sensitivity) - Single Press: increments the Sensitivity value for the selected string -1 increment

Press and Hold: selects the previous string sensitivity (has no function when the first string is selected)

XPCalib(Expression Pedal Calibration) - Single Press: sets the Min value of the Expression pedal

MIDI IN - Single Press: selects the MIDI Channel to be changed.

Press and Hold: moves the selector back to the MIDI Channel to be changed (has no function when the MIDI Channel to be changed is already selected)

FC-1 Hardware Operation

B

patch + This switch by default changes the patch on the TriplePlay controller or the TriplePlay Software + 1 increment. For example, if the patch in the TriplePlay controller is Poly Program 1 pressing this will move to Poly Program 2.

TriplePlay Software - If the patch is from the TriplePlay Software, it will switch to the next patch in the library list the patch was loaded from. This switch can also be programmed as a MIDI CC in the TriplePlay Software. Once programmed as a MIDI CC in the software, the switch will maintain that MIDI CC even when disconnected from the software, allowing for use with hardware synths while not connected to a computer.

Connect iPad App - This switch can also be programmed in the Connect iPad App to control specific parameters in the Connect app. See the Settings area of the Connect iPad app, available for free from the Apple App Store.

Utility functions - This switch is also utilized in the internal settings of the FC-1 as a way to navigate through the different menus as a 'single press' or 'press and hold' in the following areas:

Tuner - Single Press: Exits the Tuner

Settings menu -

StrSens(String Sensitivity) - Single Press: increments the Sensitivity value for the selected string +1 increment

Press and Hold: selects the next string sensitivity (has no function when the last string is selected)

XPCalib(Expression Pedal Calibration) - Single Press: sets the Max value of the Expression pedal

MIDI IN - Single Press: selects the MIDI Channel to be changed.

Press and Hold: moves the selector back to the MIDI Channel to be changed (has no function when the MIDI Channel to be changed is already selected)

C

hold This switch by default sustains notes that are played on the TriplePlay controller. The switch must be held down for the sustain to continue and once release will stop the notes being played. This switch can also be programmed as a MIDI CC in the TriplePlay Software. Once programmed as a MIDI CC in the software, the switch will maintain that MIDI CC even when disconnected from the software.

Pedal channel in the Tripleplay Software - In addition, if this switch is being used with the TriplePlay software, the 'Pedal' channel in the software can contain a virtual instrument which can be played while holding this switch down, then when released will 'Hold/sustain' the last notes played. This allows you to trigger and hold notes from the pedal sound, then play the other sounds 1-4 while the pedal sound sustains. Once the switch is pressed again, the notes are released. This is a cool effect that has been utilized by many performing artists.

Utility functions - This switch is also utilized in the internal settings of the FC-1 as a way to navigate through the different menus as a 'single press' or 'press and hold' in the following areas:

Tuner - Single Press: Mute/Unmute

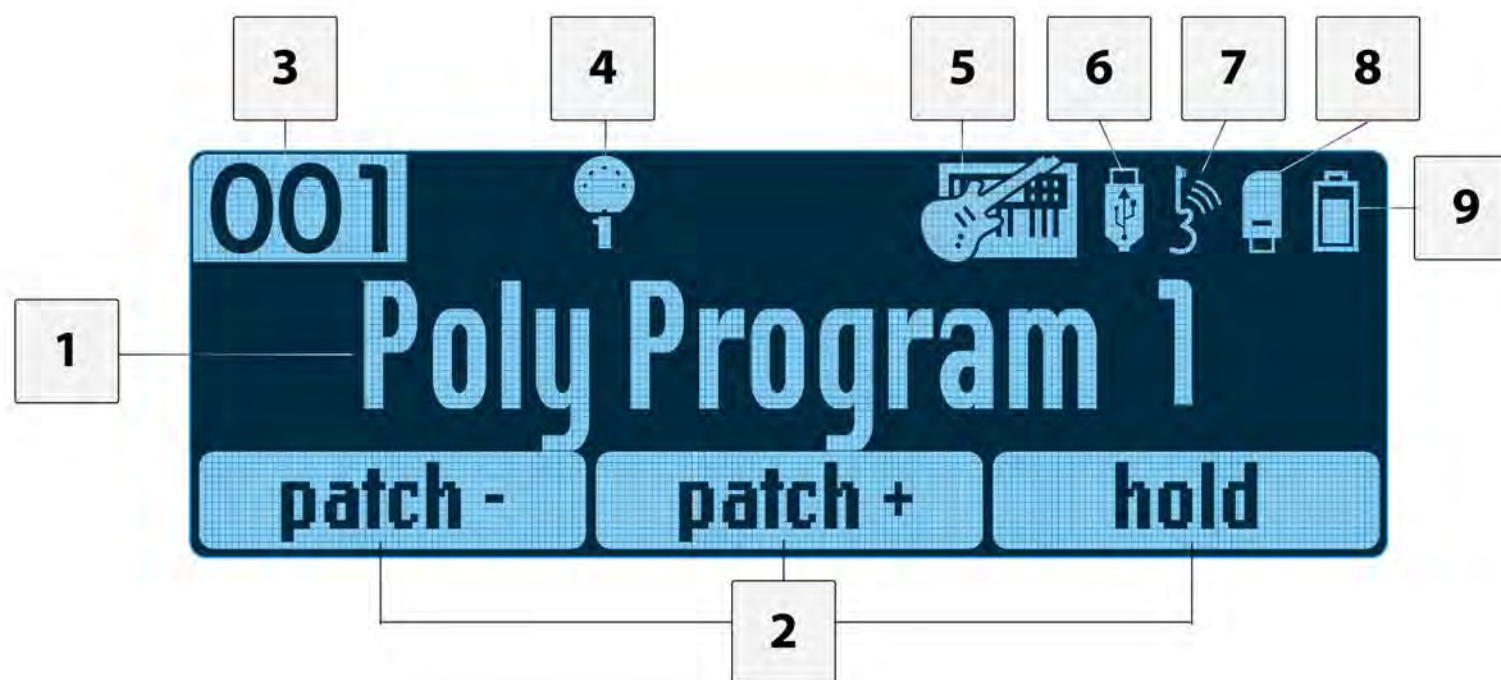
Settings menu - Single Press: Switches between StrSens(String Sensitivity), XPCalib(Expression Pedal Calibration), and MIDI IN menus. Press and Hold (hold the switch down): Exits the settings menu

D

USB Wireless Receiver/Connect USB Cable Slot - This slot is for connecting a TriplePlay controller. It is where the TriplePlay Wireless USB Receiver or the USB cable that connects to the TriplePlay Connect controller is plugged in.

FC-1 Hardware Operation

FC-1 Screen Definitions



1

Patch name - shows the name of the current patch loaded. The patch is either the internal hardware patch from the TriplePlay controller or the patch loaded in the TriplePlay Software. When the FC-1 is connected to the TriplePlay Software the patch loaded will always show on the FC-1 screen, otherwise the patch shown will be the internal patch on the TriplePlay controller. Note: The internal patch is programmed in the TriplePlay Software and contains MIDI Program information for controlling external synths.

2

Switch Navigation Buttons - The 3 buttons at the bottom of the screen show the different states of the 3 hardware pedal switches. The labels will change to the related function on different screens.



3

001

Hardware Patch Program Number - This area displays the hardware patch program number that is loaded. There are 240 hardware presets that can be individually programmed and given a name and a program number. The program number is what is shown.

FC-1 Hardware Operation

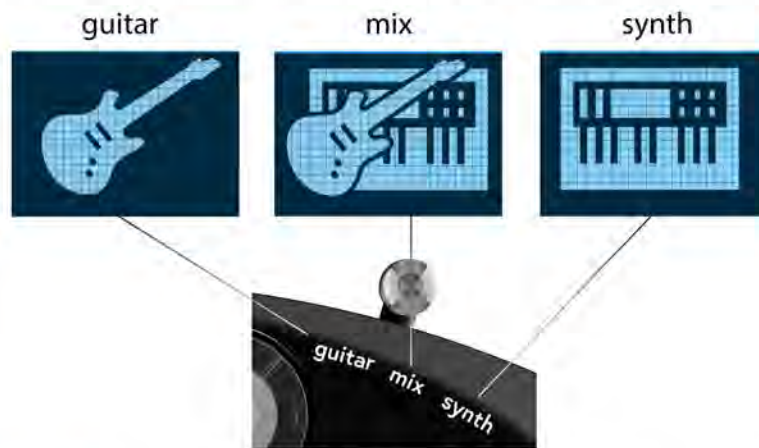
4



MIDI Channel Mode - This area displays the MIDI Channel Mode or MIDI Mode, which is the number of MIDI channels that the TriplePlay controller is sending to either the hardware synth or TriplePlay Software. There are 2 different modes. Poly Mode sends all notes played on the guitar to a single MIDI channel, MIDI Channel 1. Mono Mode sends notes from individual strings as individual MIDI channels, MIDI channels 1-6. The example shown above is in Poly Mode, which is denoted by the "1" below the MIDI Din graphic.

5

Guitar/Synth Switch Indicator (TriplePlay Wireless only) - This indicator shows the state of the Guitar/Synth Switch on the TriplePlay Wireless controller.



guitar - When the switch is set to 'guitar', the synth is muted and only the guitar input on the back of the FC-1 is passed thru.

mix - When the switch is set to 'mix', the audio will sound from both the guitar output on the back of the FC-1 and the synth outputs (either the outputs of the hardware synth, or the outputs of the TriplePlay Software).

synth - When the switch is set to 'synth', the guitar output on the back of the FC-1 is muted and only the synth outputs (either the outputs of the hardware synth, or the outputs of the TriplePlay Software) will have audio.

6



USB Device Connection Indicator - This indicator shows that the FC-1 pedal is connected to a computer, tablet, or other mobile device.

7



Tripleplay Controller Connection Indicator - This shows that either a TriplePlay Wireless or TriplePlay Connect controller is connected to the FC-1.

8



TriplePlay USB Receiver or Connect USB Cable Indicator - This indicates that a TriplePlay controller, either the TriplePlay Wireless or TriplePlay Connect, is plugged into the top USB slot of the FC-1.

9



TriplePlay Wireless Battery Indicator (TriplePlay Wireless only) - This area displays the battery life of the TriplePlay Wireless controller. When the Connect controller is plugged in the battery life will show as full even though there is no battery.

FC-1 Hardware Operation

FC-1 Tuner

The built-in tuner allows you to tune the guitar and gives you the option to Mute or Unmute the connect synth sound with the **'Hold'** footswitch.

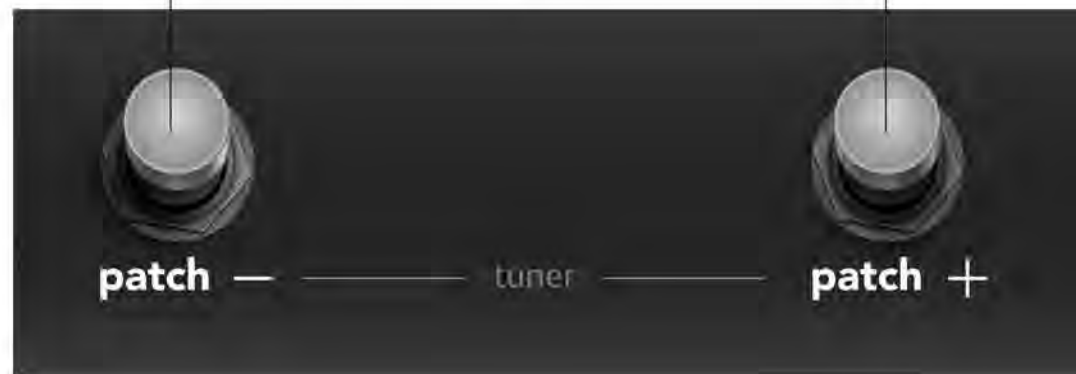
The center square note indicator will display the note detected from the string played automatically and will change from string to string.

When the tuning needle is top dead center, the string is in tune. If the needle is to the right of center the string is sharp and if the needle is left of center the string is flat. It is important to make the guitar as in tune as possible for the best results.

How to use the Tuner:

Simultaneously press the **'patch-'** and **'patch+'** switches to enter into the Tuner.

Simultaneously press the **'patch-'** and **'patch+'** switches to enter into the Tuner.



FC-1 Hardware Operation

FC-1 Tuner (continued)

Play each note on your guitar and the Tuner will detect the string and note played, while displaying a tuning needle on the screen. When the needle is in the middle, the note is in tune.



patch - / patch +

Single press either the 'patch -' or the 'patch +' footswitches to Exit the Tuner

hold

Press the 'hold' footswitch to Mute/Unmute the connected synth

FC-1 Hardware Operation

Advanced Settings - Getting Started

The Advanced Settings screen allows you to adjust settings for the TriplePlay controller string sensitivities, an expression pedal (expression pedal needed for this function), and to route external MIDI data thru the FC-1 to control other desired parameters.

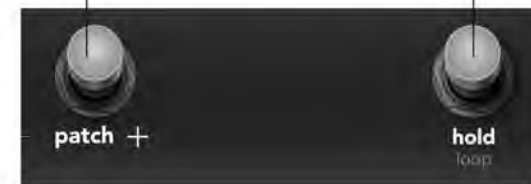
Once the Advanced Settings area is shown there are 3 'tabs' at the top of the screen. Each tab is a different set of parameters for the following settings:

Tab 1 - String Sensitivities: These settings are to adjust the String Sensitivities on the TriplePlay Controller. See *String Sensitivities*

Tab 2 - Expression Pedal Calibration: If you have an expression pedal that you wish to use with TriplePlay, it's important to calibrate the expression pedal for the best response from the pedal. See *Expression Pedal Calibration*

Tab 3 - MIDI IN Routing: If you have a MIDI controller that you wish to use to control specific MIDI parameters on different MIDI channels, the MIDI In Routing allows you to do this. See *MIDI In Routing*

Simultaneously press the 'patch+' and 'hold' switches to enter into the Advanced Settings screen.



Tab 1 - String Sensitivities



Tab 2 - Expression Pedal Calibration



Tab 3 - MIDI IN Routing



hold

Single press the 'hold' footswitch to navigate between the top tabs: **StrSens**, **XPCalib**, and **MIDI IN**

Press and Hold the 'hold' footswitch down to exit back to the main screen

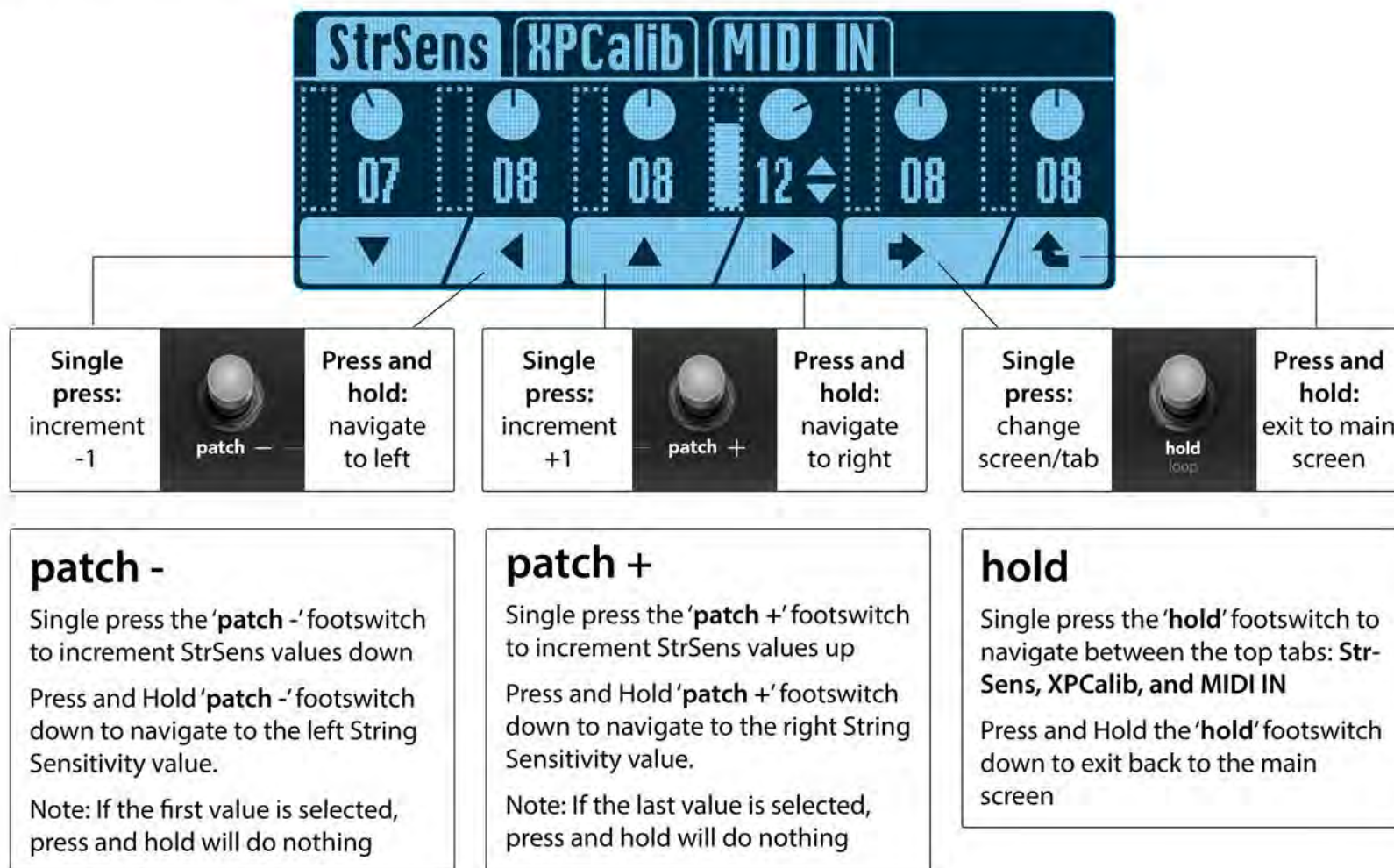
FC-1 Hardware Operation

Advanced Settings - Sensitivities Screen

The String Sensitivities screen allows you to adjust the sensitivities of each string on the TriplePlay controller. When you play a string on the guitar, the sensitivity of that string will be automatically selected in the **StrSens** screen. The selected string is shown with arrows next to the sensitivity number.

How to adjust:

1. Play the string that you wish to adjust the sensitivity of. This auto-selects the string sensitivity to adjust.
2. Press the 'patch -' or 'patch +' pedal switches to adjust the sensitivity higher or lower
3. Press and Hold the 'hold' pedal switch to exit to the main screen



FC-1 Hardware Operation

Advanced Settings - Expression Pedal Calibration

The Expression Pedal Calibration Pedal Screen is used when you have an expression pedal connect to your FC-1 Controller. All you have to do is move the expression pedal to the highest level, press the 'patch +' footswitch to set the highest setting once there, then move the pedal to the lowest setting, then press the 'patch -' footswitch to set the lowest or minimum level.

How to set the calibration:

1. With the expression pedal connected, move the pedal to the highest position, then press the 'patch +' footswitch to set the maximum level.
2. Next, move the expression pedal to the lowest position, then press the 'patch -' footswitch to set the minimum level.
3. Press and Hold the 'hold' pedal switch to exit to the main screen.

For more advanced users, you may want the max level or min level to only be within a certain range. For this type of use, do the same as above, but move the pedal to the desired max and min level, pressing the appropriate switch for each setting.



Move expression pedal to highest position



Press 'patch +' footswitch



Move expression pedal to lowest position



Press 'patch -' footswitch

FC-1 Hardware Operation

Advanced Settings - MIDI IN routing

MIDI IN routing is an advanced function for those who wish to use other external MIDI controllers to control specific parameters of synths connected to the FC-1. In addition, individual MIDI channels can be routed different MIDI channels. For example, if the MIDI controller connected is sending MIDI CC's on different MIDI channels, the channels can be routed to completely different MIDI channels or to a single channel. This is useful if you want to control the volume on a set number of strings or filter a single synth in a layer of multiple synths.

How to change the MIDI routing:

By default, each MIDI channel is set to send to the same MIDI channel. So for instance, MIDI In messages on MIDI channel 1 are automatically set to send on MIDI channel 1. If you want MIDI channel 1 to send to a different MIDI channel you can do that on the MIDI IN routing page by doing the following:

1. The first field of the display shows the incoming MIDI channel to be re-routed. Press the 'patch -' or 'patch +' to set the MIDI channel to re-route.
2. Next, press-and-hold the 'patch +' switch. This moves the selector arrows to the second field, the destination MIDI channel.
3. Press the 'patch -' or 'patch +' switches to set the new destination MIDI channel.
4. Press-and-hold the 'patch -' switch to move the selector arrows back to the first field. Select the next MIDI channel you wish to re-route and do the same process again.
5. Press and Hold the 'hold' pedal switch to exit to the main screen.

The example shots below show how to re-route MIDI Channel 2 to MIDI Channel 10.



Press 'patch +' switch to set the incoming MIDI Ch to MIDI Ch2



Press-and-hold 'patch +' switch to move selector arrows to the new destination channel



Press the 'patch +' switch to set the destination MIDI channel to MIDI channel 10

FC-1 Hardware Operation

Advanced Settings - MIDI IN routing (continued)

In addition to re-routing one MIDI channel to another, you can also route a MIDI channel to specific Sounds or multiple Sounds in the TriplePlay software. These are also referred to as Splits. The Sounds 1-4 and Sound B refer to the split channels in the TriplePlay software. Sounds 1-4 are the 4 mixer channels in the TriplePlay software. Sound B is the Pedal channel.

To send a specific MIDI channel to control parameters of different sounds in the Tripleplay software, do the following:

1. Press the 'patch -' or 'patch+' switches to set the MIDI channel to the TriplePlay software.
2. Next, press-and-hold the 'patch +' switch. This moves the selector arrows to the destination channel.
3. Press the 'patch -' or 'patch+' switches until the destination sound is displayed. (the sounds will show after MIDI channel 16)
4. Press-and-hold the 'patch -' switch to move the selector arrows back to the first field. Select the next MIDI channel you wish to re-route and do the same process again if needed.
5. Press and Hold the 'hold' pedal switch to exit to the main screen.

The example shots below show how to re-route MIDI Channel 2 to Sound 1 in the TriplePlay software.



Navigate the selector arrows to the destination channel by press-and-holding the 'patch +' switch



Press the 'patch +' switch multiple times until 'Sound 1' is displayed.

FC-1 Hardware Operation

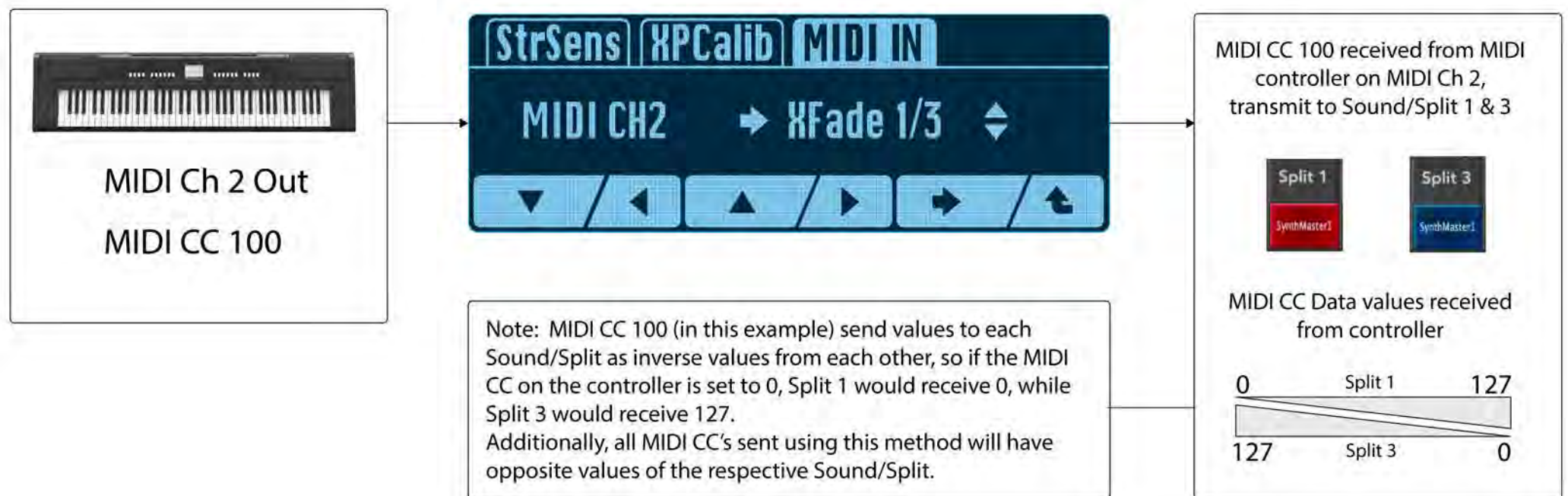
Advanced Settings - MIDI IN routing (continued)

There's also an additional function that can use a MIDI CC to XFade specific parameters between 2 different sounds.

If 'XFade 1/3' is chosen as the destination channel, the MIDI CC received sends normal parameter values to Sound 1, but sends reverse parameter values to Sound 3. For example, if you wanted to volume fade between Sound 1 and Sound 3, you would do the following:

1. Set the incoming MIDI channel to be the same as the connected MIDI controller (in this example we will set to MIDI ch 2).
2. Set the destination to be 'XFade 1/3'.
3. In the TriplePlay software, open the Sound 1 plugin and assign a MIDI CC# to the Volume control. *Note: While most plugins have ways of mapping specific CC values to parameters in the synth, some do not. Refer to the plugin's manual to determine whether or not a MIDI CC can be assigned to a specific parameter in the plugin.*
4. Next, open the Sound 3 plugin in the TriplePlay software and assign the same MIDI CC# assigned in the Sound 1 plugin to the volume control.

Once this is set, the MIDI CC assigned to the volume control in both of the plugins will send values 0-127 to Sound 1, while simultaneously sending values 127-0 to Sound 3 (refer to your MIDI controller manual to know how to set a controller knob or fader to a specific MIDI CC). *Note: MIDI CC7, which is usually used for volume, is automatically assigned to the volume of the TriplePlay software, so in order to volume fade between sounds a different MIDI CC needs to be assigned to the volume of each VST instrument.*



FC-1 Software Programming

Using the FC-1 with the TriplePlay Software

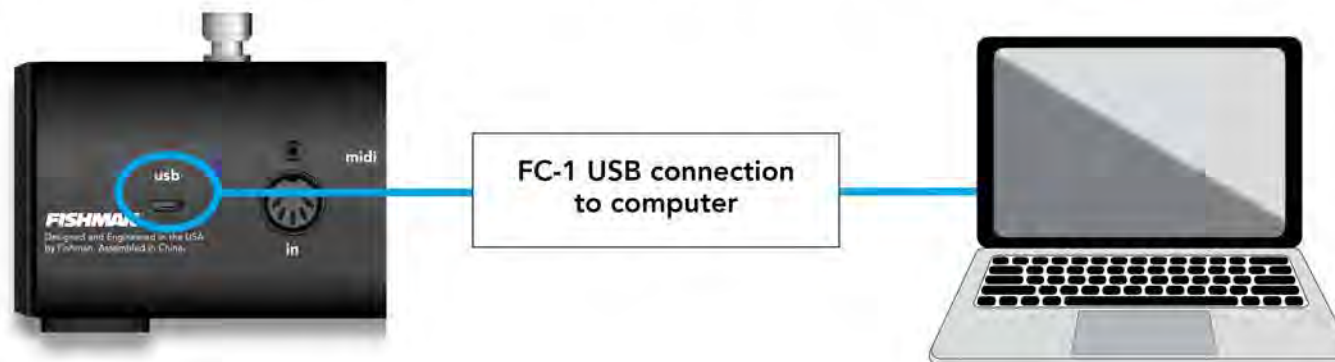
If you haven't already installed the TriplePlay Software for Mac and Windows, head over to the Fishman website and login into your TriplePlay account to download the latest version here: <https://www.fishman.com/tripleplay/>

For more information about downloading and installing the TriplePlay Software see the TriplePlay User Guide.

Note: The TriplePlay Software is required to program and assign different MIDI controls to the FC-1 switches and expression pedal. Programming of the FC-1 will remain intact after the pedal is disconnected from the computer, allowing use of programmed switches with external hardware synths.

Using the FC-1 with the TriplePlay Software:

1. Connect the FC-1 to your computer with the supplied USB cable into the USB plug on the back of the FC-1.



2. Insert either the USB receiver for TriplePlay Wireless or the USB cable from the TriplePlay Connect into the top right controller input on the FC-1.



FC-1 Software Programming (continued)

Using the FC-1 with the TriplePlay Software (continued)

3. Open the TriplePlay Software. Follow the prompts to update the FC-1 firmware if instructed to do so by the software.
4. Click on the top left FC-1 icon to open the FC-1 Programming area.



FC-1 Software Programming (continued)

FC-1 Programming Definitions

MIDI CC - List of MIDI Continuous Controllers or MIDI CC's available for programming with the footswitches on the FC-1. Most hardware synths have these controls built into the synth and can receive MIDI CC data specific to that MIDI CC. A number of software synths, daw's, and effects can be controlled by this data as well but may need programming. See the owners manual of the specific device or software to learn how to program MIDI CC's.

Channel - This is the MIDI channel that you are sending the MIDI CC data on. Note: make sure the receiving hardware or software module is set to receive this channel.

Mode - This defines how the footswitches behave. There are 2 different options for the footswitch behavior.

 Momentary - When the switch is pressed it will be active and when released will no longer be active.

 Latch - When the switch is pressed and released it will stay active. When the switch is pressed and released again it will no longer be active.

TriplePlay Patch Select - When this is checked, programming of the FC-1 pedal is set to a default state that controls the TriplePlay Software.

	LEFT "patch-"	CENTER "patch+"	RIGHT "hold"	EXPRESSION PEDAL
MIDI CC	MIDI CC: 0 Bank Select (MSB)	32 Bank Select (LSB)	74 Sound Brightness	7 Channel Volume (MSB)
MIDI Channel	Channel: Internal (inc/dec/hold patch)	Internal (inc/dec/hold patch)	Internal (inc/dec/hold patch)	1
Mode	Mode: Momentary	Momentary	Momentary	Calibrate Pedal

TriplePlay Patch Select

FC-1 Software Programming (continued)

Programming the FC-1 with the TriplePlay Software

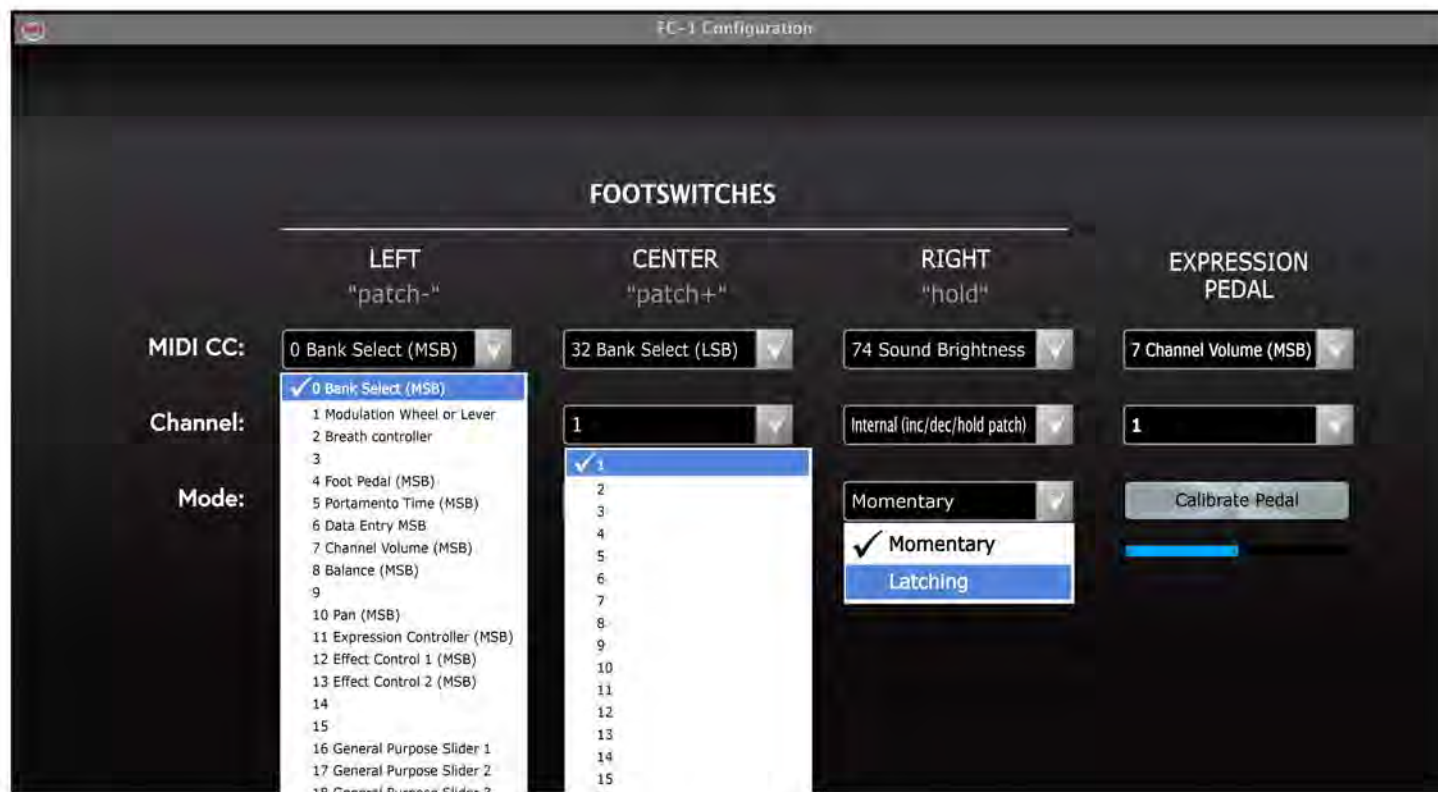
In order to assign different controls to the FC-1 switches you must first uncheck the 'TriplePlay Patch Select' box at the bottom of the screen.

How to program the FC-1 switches:

1. Click the 'TriplePlay Patch Select' box at the bottom to enable switch programming.
2. Choose the MIDI CC under the desired switch to program by clicking on the MIDI CC drop-down list and choosing the control you wish.
3. Choose the MIDI Channel - Note: the list also includes TriplePlay Software specific ways to control groups of splits.
4. Choose one of the two modes from the drop-down list. Mode refers to how the switch behaves.

 Momentary - the switch is on while pressed, and off when not depressed

 Latching - the switch will stay (or latch) in the pressed state until pressed again.



FC-1 Software Programming (continued)

Programming the FC-1 with the TriplePlay Software

When the FC-1 Programming window opens, by default the 'TriplePlay Patch Select' box is checked. This is the mode for working with the TriplePlay Software and automatically sets up the FC-1 to function as the labels are shown, i.e. 'patch -' and 'patch+' to select patches and 'hold' to sustain a note played.

How to program the Expression Pedal input:

1. If you own an expression pedal, plug it into the back of the FC-1
2. Choose the MIDI CC by clicking on the MIDI CC drop-down list and choosing the control you wish.
3. Choose the MIDI Channel via the Channel drop-down list.

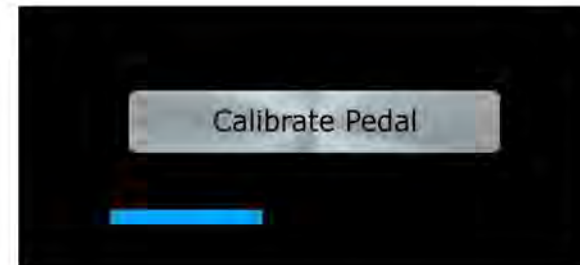


FC-1 Software Programming (continued)

FC-1 Expression Pedal Software Calibration

How to Calibrate Expression Pedal:

1 - To Calibrate an expression pedal connected to the FC-1, click on the 'Calibrate Pedal' button at the bottom right of the programming window



2 - Move the connected expression pedal to its lowest setting, then click 'Next'



3 - Move the connected expression pedal to its highest setting, then click 'Next'



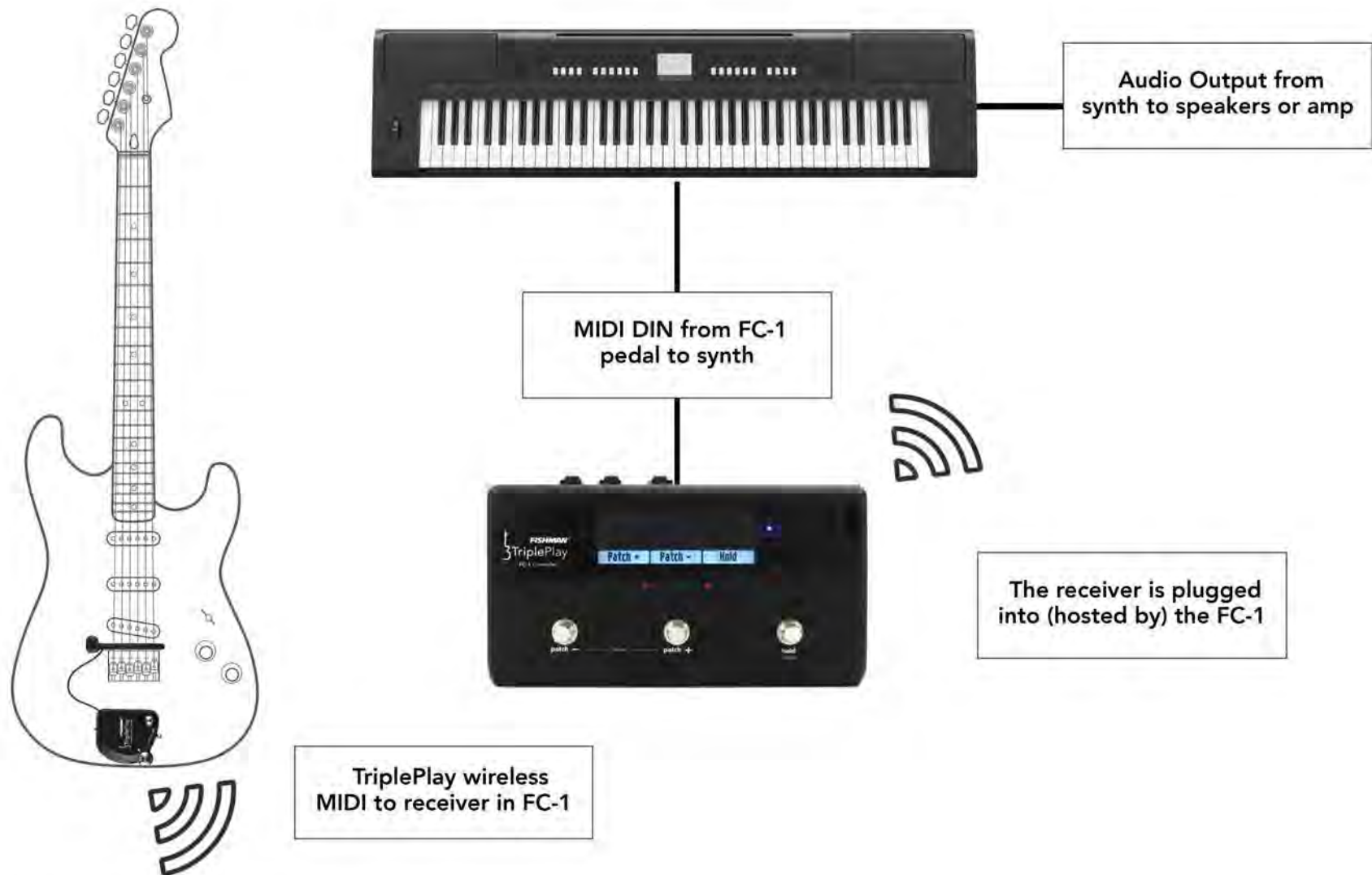
4 - Click on 'Save' to save the calibration to the FC-1



TriplePlay FC-1 Setups

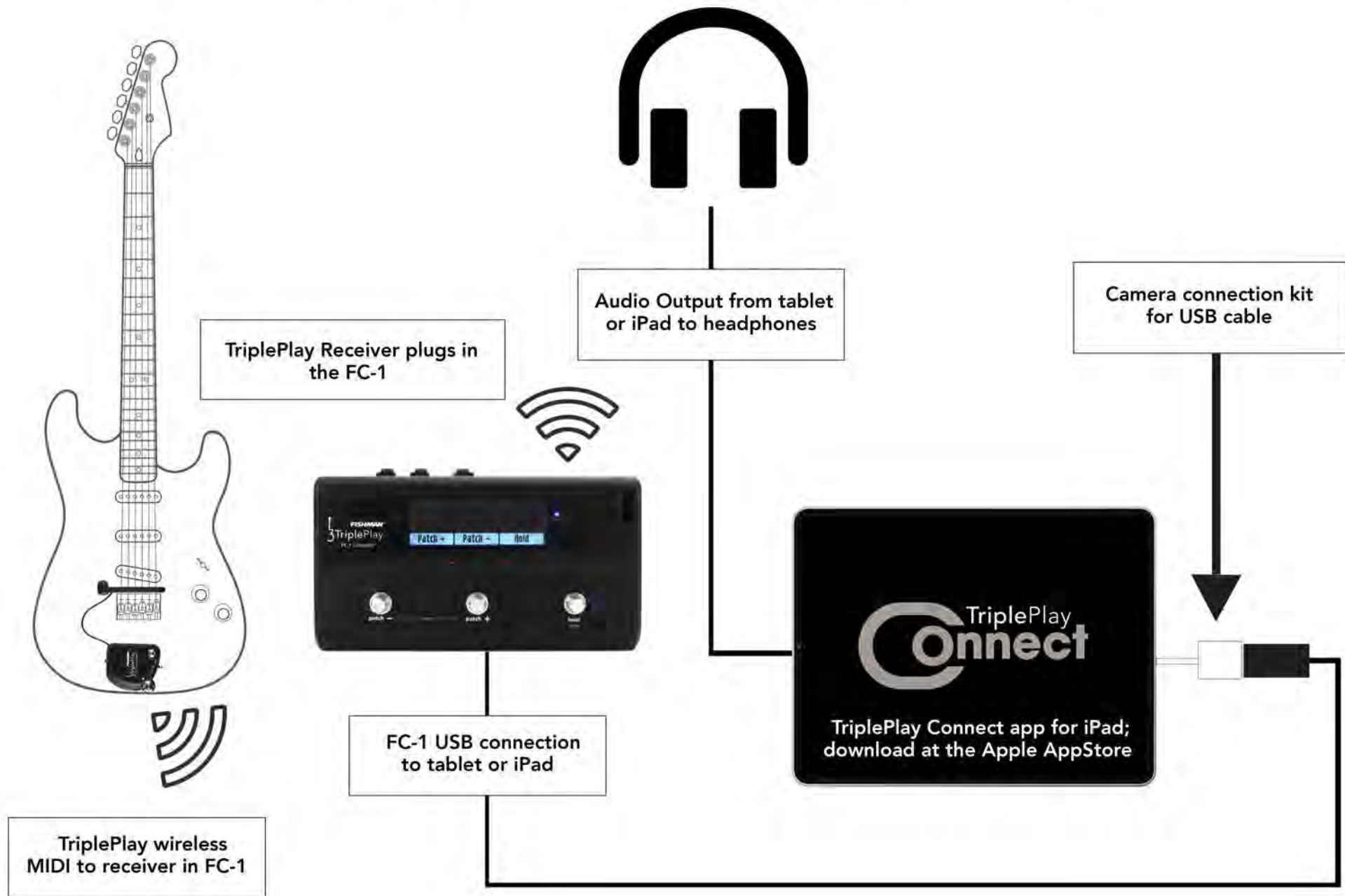
The Fishman TriplePlay FC-1 provides MIDI footswitch control and hardware MIDI In/Out for use with hardware synthesizers. Shown here are different configurations that can be achieved with the FC-1. For more information about the FC-1, visit www.fishman.com.

Simple MIDI setup for TriplePlay with FC-1 and Hardware Synthesizers



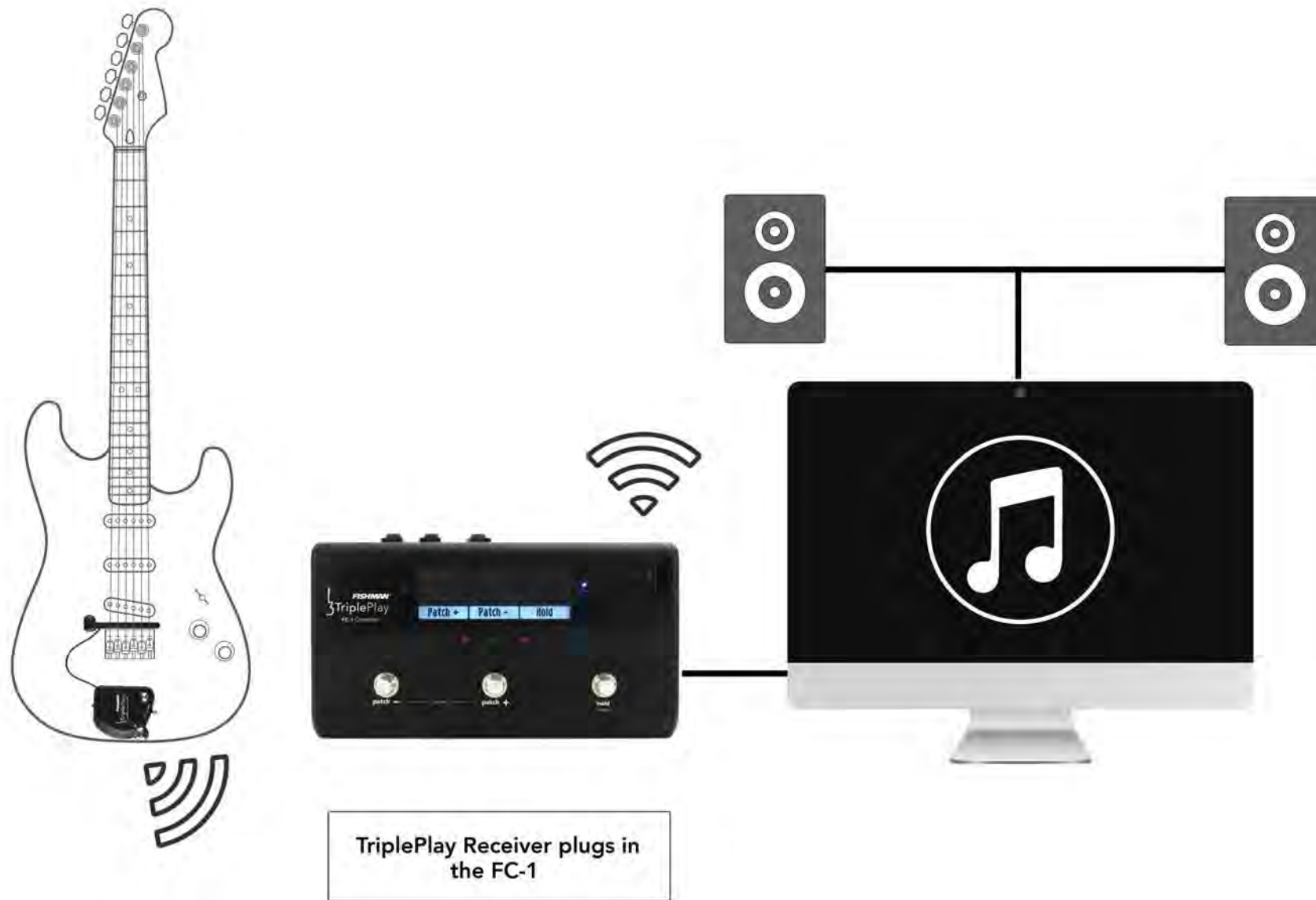
TriplePlay FC-1 Setups (continued)

TriplePlay with FC-1 and Tablet or iPad-simple MIDI setup



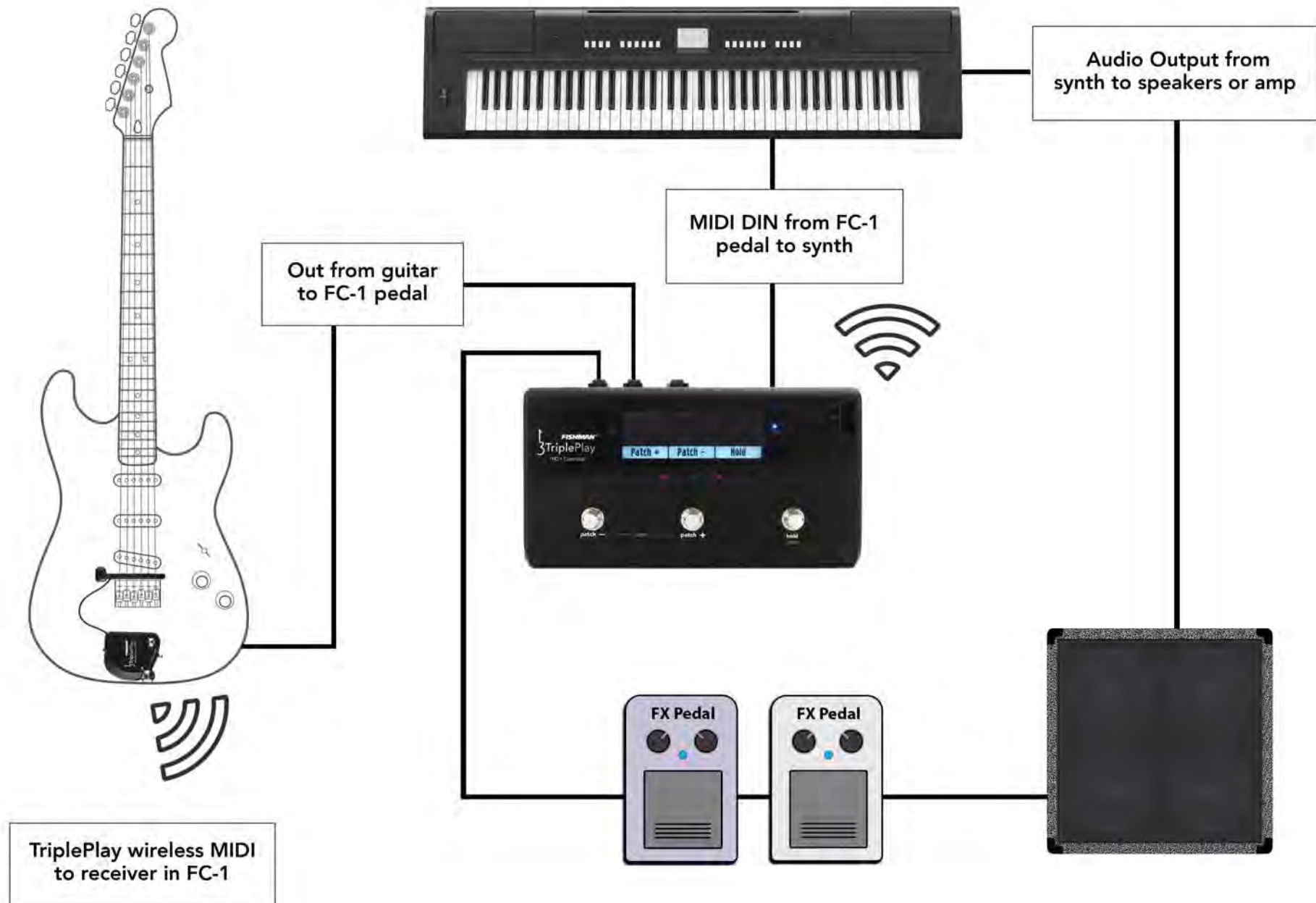
TriplePlay FC-1 Setups (continued)

TriplePlay with FC-1 and computer



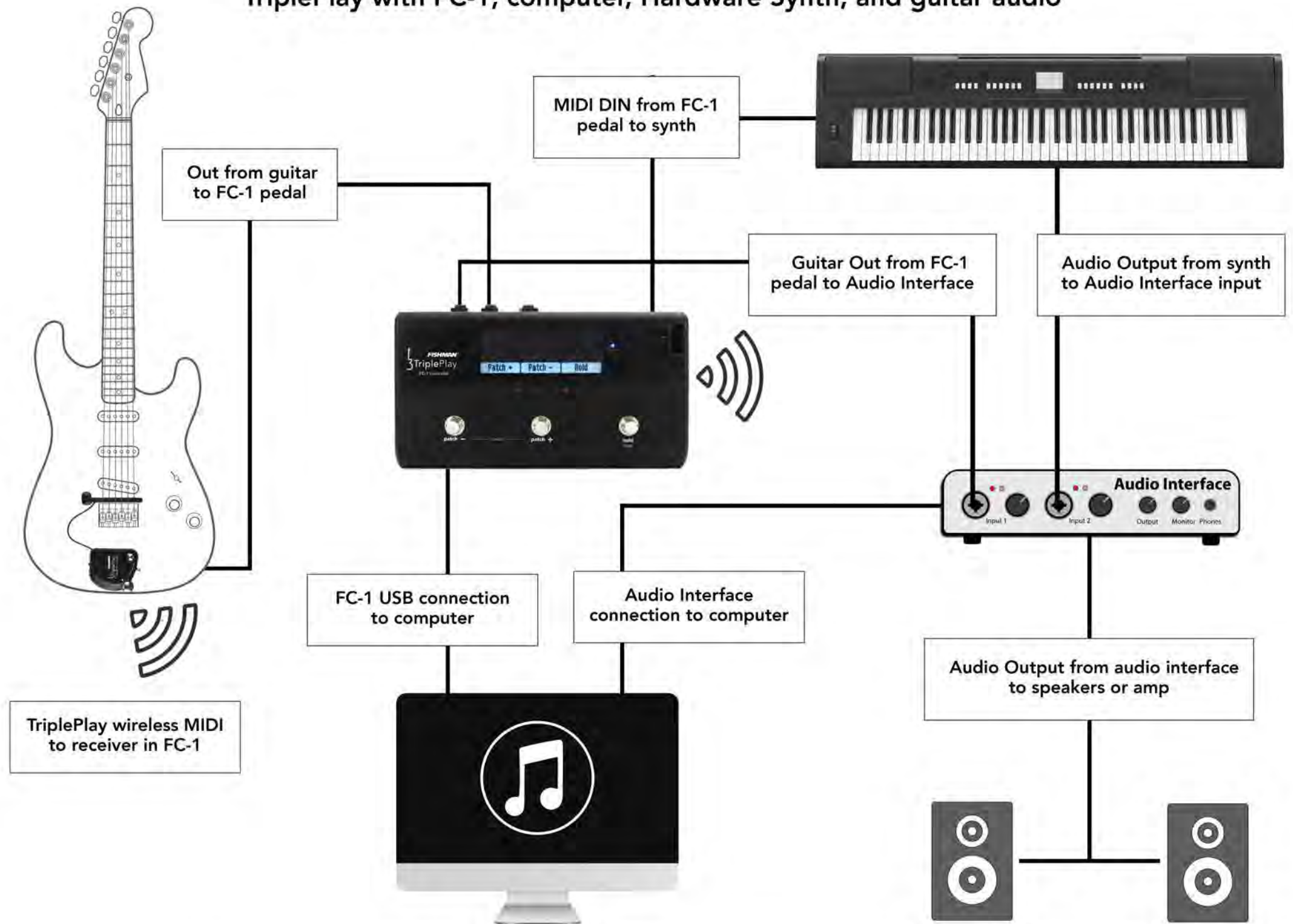
TriplePlay FC-1 Setups (continued)

TriplePlay with FC-1 and Hardware Synth-performance setup



TriplePlay FC-1 Setups (continued)

TriplePlay with FC-1, computer, Hardware Synth, and guitar audio



TriplePlay Tips

Install the TriplePlay software

As noted earlier, we highly recommend using the free TriplePlay Software package when connecting to your computer and DAW. Aside from offering a wide range of music-making features and utilities, it helps ensure you achieve the most accurate performance. In particular, the Sensitivity Settings utility is crucial to the installation and setup of the TriplePlay hardware on your instrument. It works hand-in-hand with the string spacing procedures mentioned earlier in this guide (see 'Adjusting the hex-pickup on your Guitar'). The software is available as both stand-alone application and also as a VST plugin for use with a DAW.

TriplePlay Pickup and Sensitivities

The relationship between the pickup-string spacing and the sensitivity settings in the software is the key to capturing the most accurate performance. If the pickup is too close to the strings, the pitch of the notes will act erratically, sometimes playing completely wrong notes. If the pickup is too far from the strings, the controller will have trouble detecting any notes. The same applies to the sensitivities settings. If the sensitivities are too high, incorrect notes may trigger erratically, but when set too low, TriplePlay can have trouble detecting notes altogether. String sensitivity settings are saved to your TriplePlay controller and will always travel with your device.

By default, the Sensitivity settings for all strings are set to a value of 8 (1-16), which will most likely allow the controller to work at an acceptable level, provided the string spacing was set properly during installation. With that being said, we highly recommend installing the software and setting the string sensitivities properly before trying to use the controller outside of the TriplePlay software.

Watch TriplePlay Videos Online

The Fishman website offers an enormous amount of videos that can help with installation, setup, features, usage, and more. Check them out at www.fishman.com/tripleplay.

TriplePlay Definitions

- **Mono Mode** - Sets the TriplePlay Controller to output six MIDI channels simultaneously, with each channel dedicated to a single string. This function allows duplicated notes on separate strings to play individually from each other, such as a fretted note that's duplicated on an open string. In addition, Mono Mode allows string bending to work properly. Sending the individual strings on independent MIDI channels allows each string to bend without affecting the pitch of the other strings.
- **Poly Mode** - Sets the TriplePlay controller to output all notes on MIDI channel 1. While this mode is more limiting than Mono Mode, it is simple and allows the controller work with other synths that can only receive on a single MIDI channel. Pitch bending in Poly Mode will only work on a single intentionally bent note. If multiple notes are sustaining or being played, any string bending will increment the note up or down one semitone or half-step.
- **Pitch Bend Range** - Determines the maximum range of semitones the controller can send during a pitch bend on the guitar. Pitch Bend Range is a two part setting; one setting is for the TriplePlay controller, the other is in the synth being played. The settings on the controller and the synth must be identical, otherwise string bends will not work properly. Some synths do not allow changing of the Pitch Bend Range, in which case the TriplePlay controller should have a pitch bend range of +/-2 semitones. For the best results, set the TriplePlay Pitch Bend Range and the connected instrument to +/-12 semitones.
- **Pitch Bend Mode** - determines how to bend the note played. There are 4 different modes to choose from.
 1. **Auto** - determines when the string is bending, then glides the pitch to the closest semitone at a fixed rate. Slides up and down the neck of a guitar will increment notes in semitones. Subtle tuning and intonation problems are forced to be in tune, while deliberate bends are still respected. Overall Auto bend mode will sound more in tune than Smooth bend mode, but vibrato techniques will not work as well. This is the easiest mode to use if you want to bend notes while staying more accurately in tune.
 2. **Trigger** - keeps all notes in tune with no string bending. Bending the strings will not bend the notes, but will re-trigger new notes at every semitone increment, whether bending the string or sliding up and down the neck of the guitar.
 3. **Smooth** - allows all bends to occur. While this mode may seem ideal, it requires very good intonation and a well tuned guitar. If you are a very accurate player, this mode may be the best setting for you.
 4. **Stepped** - bends the notes to the nearest half step without re-triggering the note. This mode is very similar to Trigger, but depending upon the type of instrument/synth played, Stepped can provide more natural results.
- **Touch Sensitivity and Playing Style** - Playing Style consists of 2 different types, Pick and Finger Style, with 5 different Touch Sensitivity ranges for each type. This setting will affect the overall sensitivities and pitch detection to closer resemble the way the guitar is played. This setting can be saved to individual presets in the software. Some sounds in particular will react very differently to various playing styles. Adjust this setting to your playing style for better accuracy.
- **Dynamics Sensitivity and Dynamics Offset** - Dynamics Sensitivity determines the expressiveness of the patch. A higher value allows for a greater dynamic range, while a smaller value provides a more compressed dynamic range. Dynamics Offset applies an overall adjustment to the velocity outputs of the controller, either attenuating or amplifying the controller's response to your playing. For example, a negative Dynamics Offset value would reduce the overall velocity of the MIDI notes sent by the controller for that patch, whereas a positive value would increase the overall velocity. Tweaking this setting may allow a soft instrument, such as a harp, to stay soft when playing the guitar loudly, or a loud instrument, such as a synth lead or drums, to stay loud even when playing the guitar softly, or a very dynamic instrument, such as a string section, to react to the full dynamic range of guitar playing.

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