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[4501] FBV Controller Calibration and F.A.Q.s

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Q: *Where can I find the manual for my Line 6 controller?*

A: Instructions on how to use your FBV Shortboard or Longboard can be found in the back of your specific amp's [user manual](#).

Q: *Which Line 6 controller works with which device?*

A: Please see the [compatibility chart](#) for more information on which controller will function with each Line 6 device.

Q: *How do I engage the Wah?*

A: To engage the wah, simply press toe down on the foot pedal until it clicks over and you see the WAH light turn on. It takes a fair amount of pressure to get it to click over (if you get no results, try putting your entire weight on the toe position when you are standing). Over time this function will get easier.

Q: *What type of cables are used with the Line 6 controllers?*

A: The Line 6 controllers use a standard CAT-5/6 cable with standard RJ-45 ends. These cables are very common in data connection and can be found in most local computer outlets. The FBV controllers ship with a black 25' cable included in the box.

Q: *How long can the CAT-5/6 cable be before I have communication errors?*

A: We've tested with cable lengths up to 50' with no problems.

Q: *Can I use a "cross-over" CAT-5/6 cable with Line 6 gear?*

A: You **CANNOT** use a "crossover" CAT-5 cable, as it may send voltage to unintended locations of your FBV Controller and damage the unit.

Q: *I used a new data cable to connect my FBV series controller and I saw smoke?*

A: It sounds as if you may have used a network "cross-over" cable, which has a different wiring configuration (but the same RJ-45 connection) as a standard CAT-5/6 cable. If this is the case, voltage that was intended to power the the pedal were routed to the wrong place, resulting in damage to the pedal. This FBV series controller will need to repaired/replaced.

Q: *Can I use a CAT-5 data splitter from my Line 6 unit(s) to run multiple FBV controllers on stage (or run multiple Line 6 units from a single controller)?*

A: No, The FBV controller was designed to work on its own with a single amplifier. If you feel this is a feature you would want to implement, please submit a [feature request](#)

Q: *What type of pedal do I need to use for an optional expression pedal with my Line 6 controller?*

A: The Line 6 EX-1 is the recommended expression pedal for additional control, and is connected to your Line 6 controller with a standard mono guitar cable. It utilizes a 10k Ohm pot.

Q: *When using an EX-1 with my shortboard, can I re-assign the onboard expression pedal to something other than volume?*

A: Unfortunately no, the volume pedal on the FBV shortboard can not be reassigned to another function.

Q: *Is it possible to control MIDI devices using the Floorboard via my Line 6 unit? For example, when I change to a specific channel/bank on the Line 6 unit, is a corresponding MIDI Program Change message sent from the MIDI Out to my other MIDI device?*

A: Yes, the Line 6 unit will send MIDI program change messages via it's MIDI out port when controlled by the floorboard.

Q: Where are the sounds stored on the FBV board?

A: The presets are always stored in the Line 6 unit, the FBV series only changes/controls the Line 6 device.

Q: What is the difference between the FBV and the FBX controllers?

A: These two pedals are identical. The pedal was originally released as the "FBX" controller, but the name was changed soon after the release to the "FBV" controller.

FBV Trouble shooting procedures:

- * Calibrate the pedal (using the methods at the end of this document).
- * Ensure that all washers/nuts/screws are seated correctly and tight.
- * Use a different CAT-5 cable to be sure the cable is functioning correctly.
- * Use a different Line 6 device to ensure the problem is not in the CAT-5 input of the Line 6 device.

If the unit is out of warranty: Open the bottom of the unit by removing the screws, and tighten the hex nut that holds the pedal to the chassis (the torque is 19 psi.)

* If you have no success with the following trouble shooting, please take your controller to the nearest [Authorized Service Center](#)

Calibration Procedures**FBV Express**

- 1) Unplug the RJ45 cable from your FBV EXPRESS
- 2) Move the expression pedal all the way to the toe down position
- 3) Hold down the A and D switches
- 4) Plug in your RJ45 with the switches still depressed and hold this for 10 seconds (you will see the LED go blank)
- 5) Move the expression pedal to the heel position and then all the way forward to the toe.
- 6) Shift all of your weight to the toe position (you will want to stand up) until the WAH light switches on.
- 7) Wait 10 seconds and click back to VOL. Your FBV EXPRESS is now calibrated.

FBV/FBX Pedal

1. Connect your FBX to your amp. The LEDs should cycle and the LCD should display "LINE 6" with the backlight lit.
2. Move both pedals to their center positions roughly halfway between the MAX and MIN position.
3. Press AMP1 + AMP2 + PITCHSHIFT/TREMOLO and hold for three seconds. This will reset the calibration values for the pedals to their default values.
4. Press AMP1 + AMP2 + DELAY and hold for three seconds. This will now display the pedal information for the LEFT pedal.
5. Move the LEFT pedal to its MAX position (pedal all the way toe down) and press down hard enough to actuate the pedal's toe switch. NOTE: You will only see 000 in the first column (AAA) until you click the toe switch down.
6. Move the LEFT pedal to its MIN position and press down (pedal all the way heel down).
7. Check the range on the MAX (number displayed on right hand side of display) and MIN (number displayed second from right hand side of display) values to see that they are within spec (Pedal Testing section above).
8. Move the pedal to its MIN position. With the pedal just sitting there, check the number displayed in the second column (BBB). It should read 000. Press the pedal down at the heel position. This number should still read 000.
9. Press AMP1 + AMP2 + MODULATION and hold for three seconds. This will now display the pedal information for the RIGHT pedal.
10. Repeat steps 7 through 11 only for the RIGHT pedal.

FBV Shortboard Calibration

1. Attach the RJ45 cable from your Line6 device to your FBV pedal board. Once your Line 6 device is powered up, your FBV SHORTBOARD's LEDs should cycle and the display should read "LINE 6" with the backlight lit up.
2. Move the ONBOARD pedal to the center position, roughly halfway between the MAXIMUM and MINIMUM position.
3. Press STOMP + DELAY + REVERB and hold for three seconds to begin calibration of the ONBOARD pedal.
4. Move the ONBOARD pedal to its MAXIMUM position (pedal all the way toe down) and press down hard enough to actuate the pedal's toe switch.
5. Move the ONBOARD pedal to its MINIMUM position and press down (pedal all the way heel down).
- ***If you have an EXTERNAL pedal, hook it up to your FBV SHORTBOARD now and continue on to step six. If you do NOT have an external pedal, simply turn OFF you Line 6 device, you are done calibrating.
6. Move the EXTERNAL pedal to the center position, roughly halfway between the MAXIMUM and MINIMUM position.
7. Press BANK DOWN + STOMP + DELAY and hold for three seconds, to begin calibration of the EXTERNAL pedal.
8. Move the EXTERNAL pedal to its MAXIMUM position (pedal all the way toe down).
9. Move the EXTERNAL pedal to its MINIMUM position and press down (pedal all the way heel

down).
10. Turn OFF your Line 6 device. You have just calibrated your EXTERNAL pedal.

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