

**REDSEVEN**  
AMPLIFICATION

# FS-7 MIDI FOOTSWITCH



Rev 1.0 – September 2023

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## INTRODUCTION

*FS7 Midi footswitch* is the very first universal solution for our amplifiers.

It's born after several customers' requests in order to improve "old" footswitch with a more advanced one.

For the first time ever, with FS-7 you can now access all direct functions AND to save presets within the same footswitch.

## THE CONCEPT

### *Preset vs Direct Access*

Previous footswitches (D50F, D100F and L120F) had the possibility to only change settings on the fly, means to choose which parameter to modify (like changing a channel, activating a master volume, etc) and ONE parameter at time. This is what in the business is call "*Direct Control*" or "*Control Change*".

According to our customers, a footswitch with "*Preset Mode*" (the ability of recall multiple Control Changes at a press of one switch) was a needed upgrade, so we went for it.

FS-7 is able to operate in both Direct and Preset mode.

We do not only manage to accomplish this much needed request, we also made FS-7 able to operate with following Red Seven products\*:

- Duality and DualityRS (D50 & D50RS);
- Duality100 and Duality100RS (D100 & D100RS);
- Hybrid100 (H100);
- Leviathan (L120);
- D100PRE.

MSLM (Multi Stereo Line Mixer), due to his high number of Control Changes, is not compatible with such a tiny surface. An appropriate, bigger MIDI footswitch is highly recommended to perform with MSLM at best of his possibilities.

\*At date lunch, October 2023. More products may be added in future.

## IS THIS A MIDI CONTROLLER?

Technically, yes and no. To be more precise, while it's not marketed as a "full" midi controller, it is a very simple one, with the ability of sending some MIDI information on MIDI CH1 only.

These information are 128 presets (32 banks with 4 presets each), from 0 to 127, one preset at time, and only in PC (Program Change) Mode.

Is also able to send multiple CC (Control Changes), but they are fixed and specifically tuned for our amplifiers.

If you are looking for a compact, powerful, all-around Midi controller, you might want to look elsewhere.

We do not offer custom firmware, software upgrade or any sort of modification in order to command 3<sup>rd</sup> party devices. This is a remote control for RedSeven Amplifiers only.

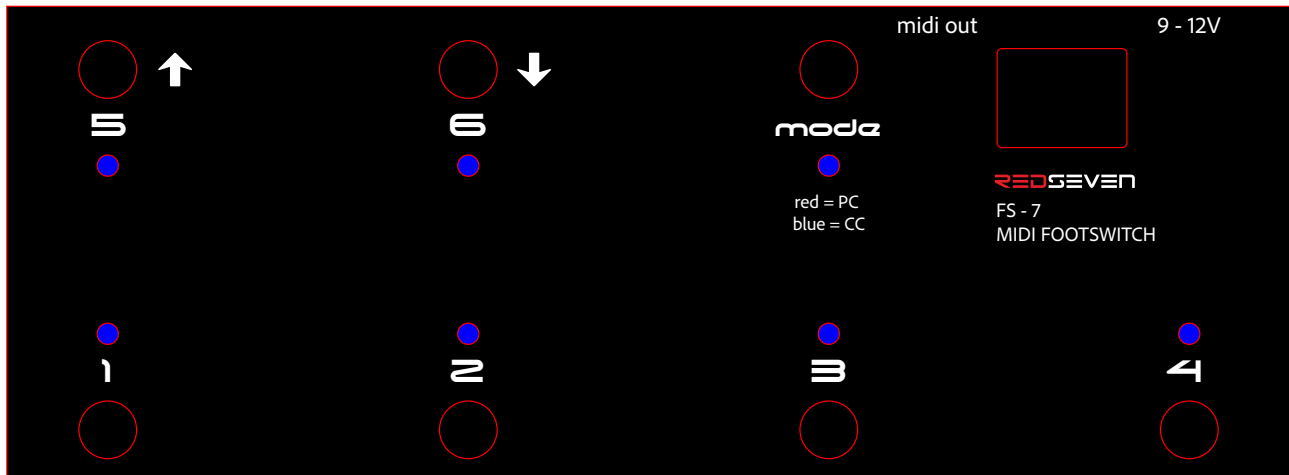
## TECHNICAL DATA

Measurement: 27x10,5x7cm (switches included)

Weigh: 1Kg

Power supply: 9 to 12V (AC or DC) / negative or positive center.

## SPECIFICATION



### TOP PANEL

(left to right)

1. Footswitch 1 to 7: seven footswitches to access all features of FS-7;
2. Screen: to indicate operation status and PC number.



### FRONT PANEL

(left to right)

1. DC connector: FS – 7 is able to operate from 9 to 12 volts, AC or DC, negative or positive center. Any other voltage could damage this product.
2. Midi output: female 5 DIN connector, to be connected to a Red Seven amplifier.

## FIRST USE

FS – 7 can be used in two different modes, **PC (Preset mode)** and **CC (Control Changes mode)**.

While Program Changes are fixed numbers, we need to set correct Direct Controls numbers based on which particular amplifier we're going to command. Each RedSeven Amplifier has a different CC map. To do it, you need to press "MODE" switch until letters "PC (Program Change)" will appear on screen and MODE light will become red.

Now:

- Press buttons 1 and 4 for couple seconds until MODE light turn pink;
- Press buttons 1 to 5 to select desired buttons map:

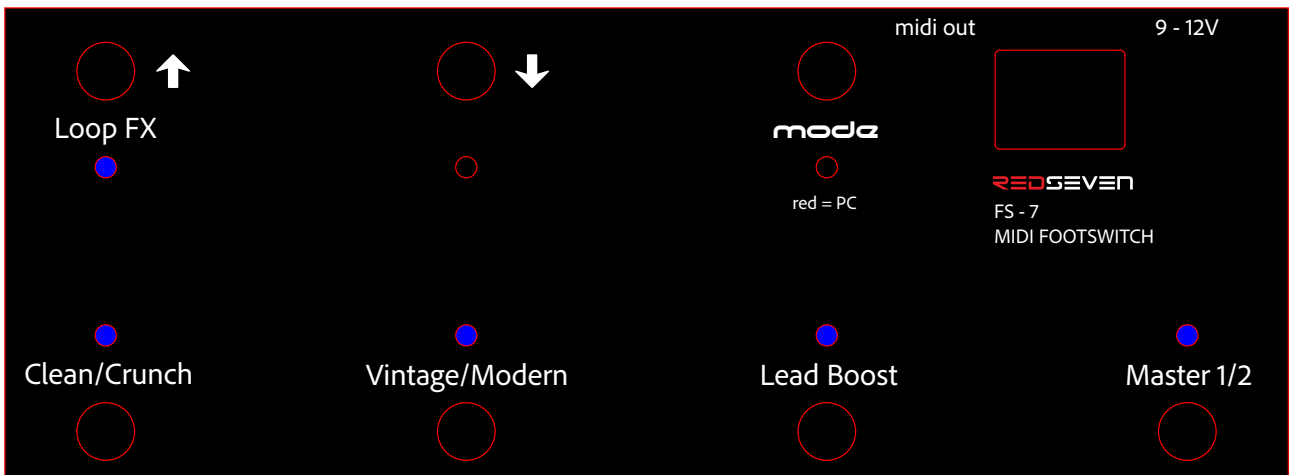
BUTTON	AMP	SCREEN
1	Duality & DualityRS	D5
2	Duality100 and Duality100RS	D1
3	Leviathan	L1
4	Hybrid	H1
5	D100PRE	DP

- Press MODE switch again to confirm and exit;

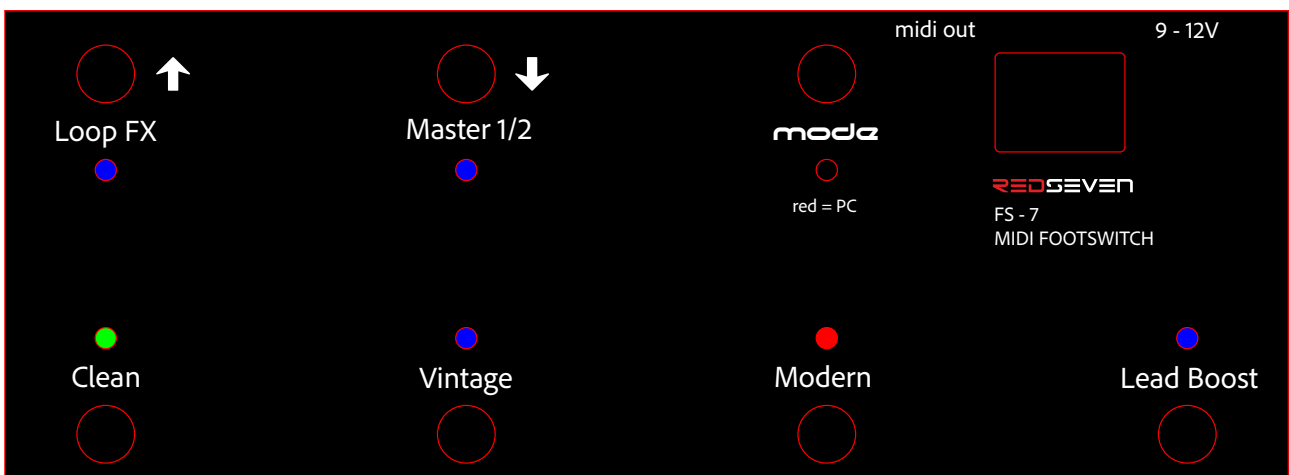
Your FS – 7 now will work with desired CC map and of course PC too.

# FS – 7 CONTROL CHANGES MAPS

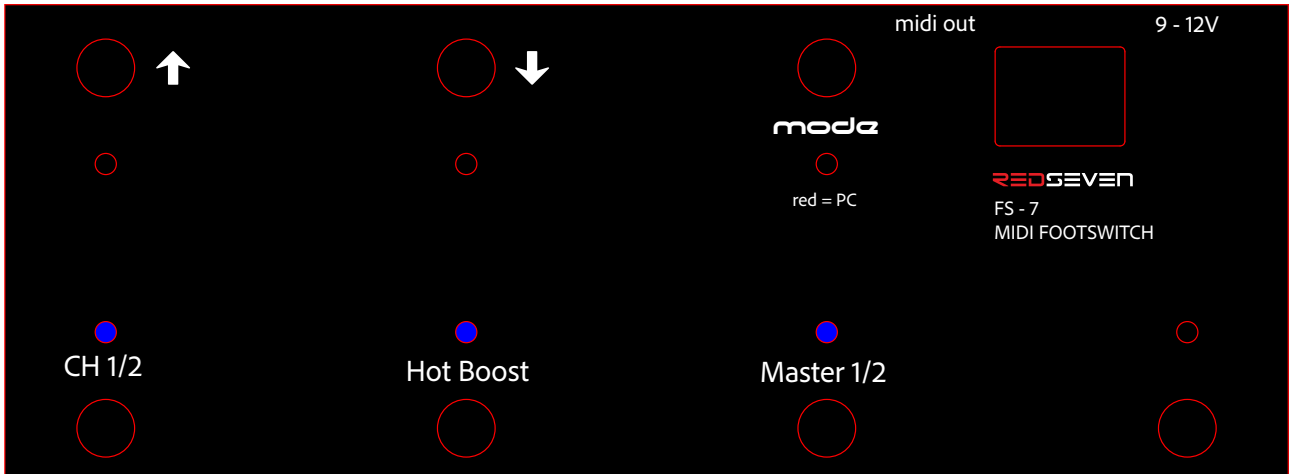
Duality and DualityRS (Screen – “D5”)



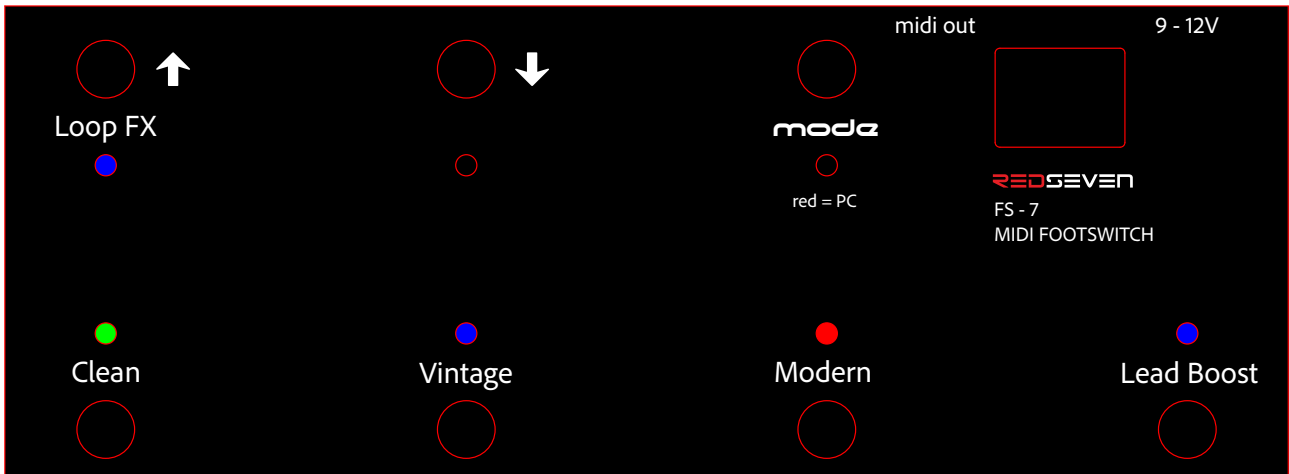
Duality100 and Duality100RS (Screen – “D1”)



Leviathan (Screen – "L1")

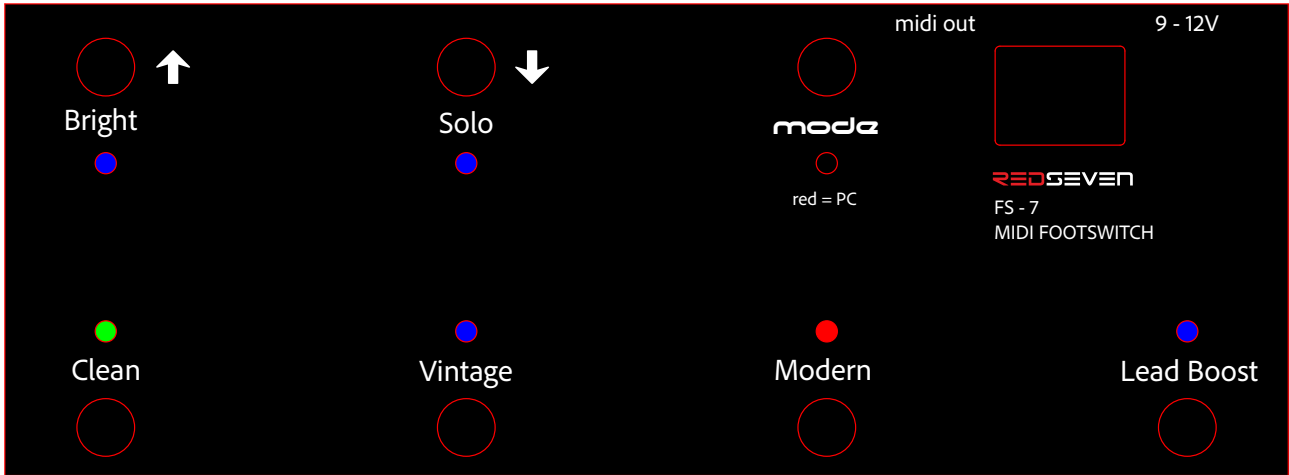


Hybrid100 (Screen – "H1")





D100PRE (Screen - "DP")



## PROGRAM CHANGE MODE

Inside FS – 7 there're 128 storable user presets, divided in 32 banks with 4 presets each. Presets number 1 to 4 are printed on FS – 7 itself (bottom row), while banks are shown on screen and you can change them using footswitch #5 and #6 (arrows pointing up and down).

Please note, when a bank is changed, there's a preload of corresponding bank's presets. To activate one of four available presets in that specific bank, you need to press desired footswitch.

## CONTROL CHANGES MODE

Note: before using CC mode it's mandatory to set up correct CC map according to the amp you want to control. Please refer to chapter "FIRST USE" at page 6. CC mode allows you to control all amp's specific features.

Let's suppose you created all your presets with Master volume 1 saved, but you want an extra volume kick for your solo at some point during a show, but it's very uncomfortable to make new presets while playing: you just need to press MODE switch to turn on CC mode and press Master 2 switch!

After that, you can easily go back to PC mode and continue with your pre-programmed sounds! That's it.

## MODE SWITCH

Simple switch to toggle between PC (red led) and CC (blue led) modes.

## REVISIONS

During power on procedure a number shown on screen will blink two times, indicating actual software revision (e.i: "1.0"). This is a useful information for future purposes.

Please, for any additional information, write to [info@redseven-amplification.com](mailto:info@redseven-amplification.com)

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