

BEHRINGER DeepMind 12 Firmware

Version 1.0.3 - (18 January 2017)

This document constitutes a formal release of DeepMind 12 - Firmware for full public usage.

This build can be made fully available to the public.

NEW FEATURES

Added unison voice number as a modulation source.

The new mod source provides a fixed value based on the selected polyphony and the voice index within the group of unison voices. For example if POLYPHONY is set to unison 2, and "Uni voice" is routed to Osc1+2 Pitch in the mod matrix with a depth of +12, the second voice in each pair of unison voices will be pitched an octave up. If POLYPHONY is set to unison 3, then the second voice will be pitched up +6 semitones the third voice will be up one octave (+12 semitones).

Addressed Issues

- Fixed occasional stuck notes when changing program with keys held down
- Fixed velocity sensitivity of G# A# keys
- Fixed maximum WiFi password length (was 16) is now 63
- Reduced minimum SSID string length from 8 chars to 1
- Fixed crash on swapping to vintage room reverb from remote app when fx page displayed on synth
- Fixed LCD contrast range
- Now prevents operations from the program hold menu occurring while the pattern edit screen is shown
- Fixed Reverse Reverb decay value string
- Fixed LFO delay not working as mod destination
- Fixed bug with Pitch-Bend modulation source at minimum value
- Note priority parameter is now overridden and fixed to "last" in all but unison 12 and mono modes
- Improved fault detection in VCF calibration routine
- Fixed arpeggiator sending unnecessary note off messages when pattern step has zero velocity
- Fixed range handling of FX NPRNs
- Disabled configuration webpage for Wifi module

Update Procedure

This release note describes the public release which includes the following files.

Upgrade Tool

- DeepMindUpdater-Mac.zip
- DeepMindUpdater-WinPC.exe

Firmware Files

- DeepMind12-Firmware-v1.0.3-build.12.syx

DeepMind 12 Firmware Update Instructions

Note: We recommend using a USB connection to perform any updates where possible.

Please ensure that the DeepMind 12 Device ID is set to 1, this can be found in the Global -> Connectivity page on the DeepMind 12.

An updater tool has been provided for both the following platforms

- Windows PC (Win 7 – Win 10)
- Apple Mac (OSX Yosemite, El Capitan & MacOS Siera)
- N.B. Please unzip the Apple Mac tool prior to installing and running the following steps

Updating the DeepMind 12 Firmware over a USB connection:

1. Connect a USB cable to both the computer and the DeepMind 12.
2. Load the DeepMindUpdater tool.
3. Click on the MIDI device button and select the DeepMind 12 as the MIDI input and MIDI Output.
4. Close the window and click the Browse button.
5. Locate the file named 'DeepMind12-Firmware-v1.0.3-build.XX.syx', select and click Open.
6. Click the Upload Button.

The update should start at this point, showing a progress indicator on both the application and the synth as each of the component images is uploaded to the DeepMind 12 memory.

Once the upload is complete the DeepMind 12 will prompt the user to turn the unit off and back on again to complete the update.

Updating the DeepMind 12 Firmware over a MIDI Interface:

1. Connect the MIDI interface to the IN and OUT ports of the DeepMind 12 (Note: A MIDI cable **MUST** be connected to the DeepMind 12 MIDI OUT port so that the updater can get a response from the synth).
2. Load the DeepMindUpdater tool.
3. Click on the MIDI device button and select the MIDI interface as the MIDI input and MIDI Output.
4. Close the window and click the Browse button.
5. Locate the file named 'DeepMind12-Firmware-v1.0.3-build.XX.syx', select and click Open.
6. Click the Upload Button.

The update should start at this point, showing a progress indicator on both the application and the synth as each of the component images is uploaded to the DeepMind 12 memory.

Once complete, the synth will prompt the user to turn the unit off then back on again to complete the update.