

# Kastle 2 / Citadel Wave Bard

## Release Notes

### **kastle2-wave-bard-1.6**

Changes:

- Fix USB descriptors (properly shows "Kastle 2 Wave Bard" on Windows, better overall Linux support)
- Fix audio mix bug
- Add support for sequencer length selection via web app
- Small internal tweaks and cleanup

### **kastle2-wave-bard-1.5**

Changes:

- Added Citadel compatibility
- Audio doesn't produce clicks when retriggering a sample
- Scale and Root settings are auto-saved
- Better mix of external & internal audio  
(not halving when ext. signal connected)
- ENV output now correctly copies the volume envelope
- The lowest two MIDI octaves (notes 1-24) now play samples in their original pitch

### **kastle2-wave-bard-1.1**

Changes:

- Added USB MIDI (see manual)
- Increase Pitch Mod range (up to 1V/Oct)
- Better patch inputs responsivity and overall device performance

### **kastle2-wave-bard-1.0**

Release version

#### To check the firmware version:

- Boot into Test Mode: Hold the MODE button and turn the power ON.
- Listen to the Headphone Output / Audio Out directly: The unit will announce the firmware version via its voice output.
- Turn power OFF and ON to exit the test mode

#### HOW TO UPDATE KASTLE 2

- 1) Connect the Kastle 2 with a USB-C cable to your computer
- 2) Turn OFF the power switch (left)
- 3) Hold SHIFT and turn ON the power switch (right)
- 4) Kastle 2 will boot into Update Mode (no sound)
- 5) Copy the firmware **.uf2** file to the RPI-RP2 disk showing on your computer.

#### HOW TO UPDATE CITADEL

- 1) Disconnect the Citadel module from your Eurorack power!
- 2) Connect the Citadel with a USB-C cable to your computer while holding the SHIFT button.
- 3) The Citadel will boot into Update Mode (no sound)
- 4) Copy the firmware **.uf2** file to the RPI-RP2 disk showing on your computer.

**Note:** Depending on the **.uf2** firmware file size, the upload can usually take up to 2 minutes or more.