

## A08 WVR - TROUBLESHOOTING

**!!! IMPORTANT !!! Do not try firmwares more recent than version 3.8.0**  
**This may result in a stuck module and you will need FTDI adapter to reset firmware.**  
**Please ask if you plan to update firmware. I can test it for you before.**

Please note that some corrupted wav file or multichannel wav file (more than 2) may crash the unit if used.

### reset eMMC

if you decided to reset eMMC, the default pin configuration and the firmware will be resetted. At the next boot you will see "WVR is in recovery mode" because recovery pin is set to true. See below how to restore the initial config wich works with the eurorack hardware.

The screenshot shows the 'WVR GLOBAL SETTINGS' interface. It has tabs for 'SOUNDS', 'PINS', and 'WVR'. Under the 'WVR' tab, there are various settings like 'global volume', 'check recovery pin', 'recovery pin', 'will log verbosity', 'will on at boot', 'will power', 'midi channel', 'wifi network name', and 'wifi network password'. At the bottom, there are buttons for 'backup eMMC', 'restore eMMC', and 'reset eMMC'. The 'reset eMMC' button is highlighted with a red box.

### WVR is in recovery mode

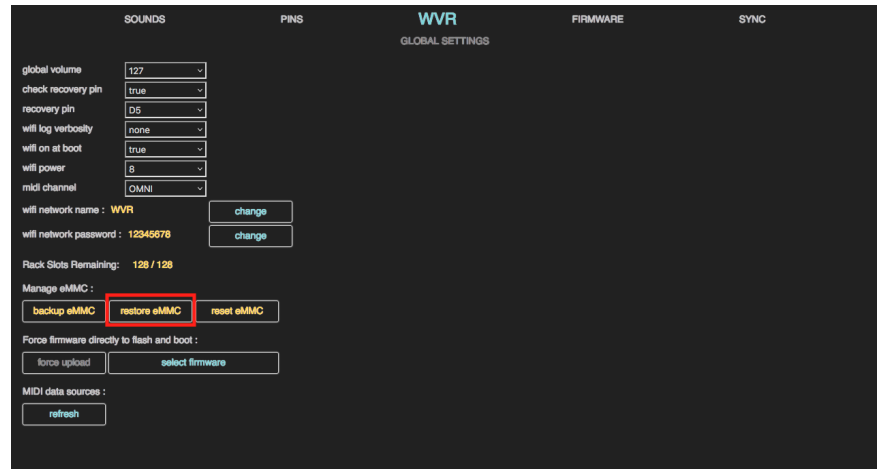
The screenshot shows the 'WVR' interface with a message 'WVR IS IN RECOVERY MODE' in the center. The message states: '(sounds are not loaded and cannot be changed)'. The interface has tabs for 'SOUNDS', 'PINS', 'WVR', 'FIRMWARE', and 'SYNC'. The 'WVR' tab is selected. There are various settings and buttons visible, including 'select file', 'create rack', 'audition', and 'delete'.

### What to do?

- feed a constant +5v into input "D5"
- hold the button "RESET" down for 2 seconds and release (WVR should start normally, not in recovery mode because of the +5v in D5)
- reconnect your wifi network to "WVR"
- hit the reload button of your browser
- click the "FIRMWARE" tab

The screenshot shows the 'WVR FIRMWARE MANAGER' interface. It has tabs for 'SOUNDS', 'PINS', 'WVR', 'FIRMWARE', and 'SYNC'. The 'FIRMWARE' tab is selected. It shows a list of slots (slot 0 to slot 9) with buttons for 'boot', 'upload', and 'select binary'. A message at the top says '\* current running firmware was force-updated'.

- click "select binary" button of the first line
  - select file "wvr\_basic380.ino.bin"
  - click "upload" button (wait until upload is complete)
  - click "boot" button (click OK at prompt "refresh page?")
- (you may reconnect to the WVR wifi network)



- click "restore eMMC"
  - click OK at prompt and select file "wvr\_emmc\_A08\_default.bin"
- (wait until all memory is uploaded, don't interrupt the process)
- click OK at prompt when upload is completed
  - hold the button "RESET" down for 2 seconds and release
- (you may reconnect to the WVR wifi network)
- you can remove the +5v at input D5

- you should see the following screen (basic default configuration)

SOUNDS

PINS

WVR

FIRMWARE

SYNC

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
E 2 40 BD.wav	F 2 41 41_SD.WAV	F# 2 42 42_CP.WAV	G 2 43 43_CH.WAV	G# 2 44 44_OH.WAV	A 2 45 45_LT.WAV	A# 2 46 46_HT.WAV	B 2 47 47_CY.WAV	C 3 48 42_TJUPP.w	C# 3 49 44_CABASA.	D 3 50 45_STICK.w					

voice0

note nameE 2

note number40

file nameBD.wav

file size352804 bytes

modeone-shot

retrigger modetrigger

note-offignore

response curvesquare root

priority0

exclusive groupnone

select file

create rack

audition

delete

SOUNDS

PINS

WVR

FIRMWARE

SYNC

GLOBAL SETTINGS

global volume127

check recovery pinfalse

recovery pinD5

wifi log verbositynone

wifi on at boottrue

wifi power8

midl channelOMNI

wifi network name : WVRchange

wifi network password : 12345678change

Rack Slots Remaining: 128 / 128

Manage eMMC :

backup eMMCrestore eMMCreset eMMC

Force firmware directly to flash and boot :

force uploadselect firmware

MIDI data sources :

refresh