

RME 12Mic Firmware Update

1. Firmware Revision History

Firmware 1.1.1 (MAY/15/2020) 12mic_1.1.1_20200515_v62.swu

- improved: performance of web app
- improved: release time of level meters now adheres to EBU Tech 3205-E
- improved: routings on the device now require a confirmation
- improved: web: channel indicators within input ports
- improved: display while booting the device
- fix: MAAP was not working
- fix: levelmeters did not reflect AVB redundancy

Firmware 1.1.0 (MAY/8/2020)

- new: load a quick-start preset by pressing first button next to display while booting (power on until LED pulsing)
- new: adjust stream size when setting higher sampling rate
- new: web: line level, phase switches
- new: improved boot logos with black background
- new: SSC / JSON API error handling
- improved: performance of gain pots
- improved: fine adjust gain by holding shift key
- improved: soft start of analog voltages after brief power supply interruption
- improved: visualization of clipping LEDs
- fix: AVB stream connections to Digiface are reestablished on boot
- fix: phase of analog outputs
- fix: gain setting of analog outputs in mono mode
- fix: temperature was not shown
- fix: web: level meters of AVB stream 8
- fix: pass through of incoming MIDI over MADI messages

Firmware 1.0.0

- initial release



When downgrading to an earlier firmware version, presets and current settings will get lost.


2. Firmware Update

New and improved features for this device, as well as bug fixes, are published on the RME website in the download section as a firmware update. The update is provided as a compressed file with a **.swu** extension and can be uploaded via web remote over USB or network.

To update the 12Mic:

1. Connect the device by USB or network cable and open the Web Remote.

See: Section 2.1, "Finding the Device on a Network"

2. Download the current firmware from the RME website.
3. Unpack the compressed file.
4. Open the  **Settings** in the Web Remote.
5. Within the **Firmware Update** section, press the **Select .swu Firmware File** button and locate the unpacked file.
6. Press **Start Firmware Update**.



The unit retains all settings, including presets, when the firmware is upgraded.

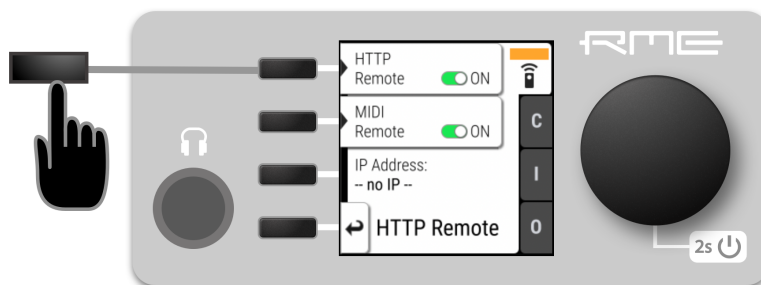
2.1. Finding the Device on a Network

The 12Mic has three integrated network adapters (USB 2.0 and ethernet). The adapters can be used, individually or simultaneously, to control the device with HTTP ("web remote"). The web remote control works on any IP-based network, including wireless networks.

The ethernet connection additionally supports AVDECC 1722.1 remote protocol, which requires a physical connection (cables), but does not require AVB switches. Wireless routers are not supported for AVDECC.

To enable web remote functionality over HTTP:

1. Open the **remote** tab in the **STATE** section. To enter the State section press the encoder twice while in the main screen, then select the remote tab.



2. Ensure that the **HTTP Remote** setting is switched to  **ON**.

2.1.1. USB

When the device is connected with a USB 2.0 cable to a Apple macOS™ or Microsoft Windows™ computer, a network device is automatically installed in the background that assigns the 12Mic the following IP address:

`http://172.20.0.1`



Only **one** of the following products can be connected to the host computer via USB at a time: RME M-32 AD Pro, M-32 DA Pro, 12Mic, AVB Tool, M-1610 Pro.

2.1.2. Ethernet

The integrated ethernet adapter will join an IP network when connected. If no DHCP server is found, for example when connecting the 12Mic directly to a computer, an address is automatically self-assigned (in the 169.254.0.0/16 subnet).

To find out the current IP address:

1. Open the **remote** tab in the **STATE** section. To enter the State section press the encoder twice while in the main screen, then select the remote tab.
2. The current IP address is displayed.
3. Enter the IP address in the address bar.

2.1.3. Connecting to the Remote Interface without IP address

Instead of using the IP address, the **device name** can be entered in the browser window, followed by **.local/**.

By default, the name is 12mic, and the corresponding URL is therefore:

http://12mic.local/



The length of the custom name should not exceed 63 characters. Spaces in the device name should be written as hyphens ("-") when entering the URL.



on some operating systems or browsers, a trailing dot "." may be required after the 'local' domain: http://12mic.local./



The device name is stored in a preset. Loading a preset can therefore change the device name and require a different address.