1. Firmware Revision History

Do not interrupt the firmware update process from 1.0.3 to a newer firmware, as this upgrade does not support automatical fallback to a previous firmware.

Firmware 1.2.1 (FEB/5/2024) 12mic_dante_1.2.1_v49_20240205_r1.swu

- Updates Dante IP Core to Version 4.2.5.6, which addresses the following issue:
  - Fix: Audio glitches when creating multiple audio flows from DVS under some situations

Firmware 1.2.0 (DEC/19/2023)

- Feat: MIDI over MADI support for remote control with RME Connector
- Feat: Add a scale to the analog I/O level meters
- Fix: Adjust routings source channels according to sampling rate and MADI redundancy
- Further minor updates and bug fixes

Firmware 1.1.0 (MAR/17/2023)

- Fix: ADAT Routing at different sampling rates
- A static IP address must be configured using Dante Controller. The corresponding (non-functional) menu item on the device has been removed.
- When the device's network ports are configured to function as a switch in Dante Controller, this feature is now represented in the device menu (network ports are connected with a line)
- Several minor updates and bug fixes

Firmware 1.0.3

- initial release

It is not possible to downgrade from version 1.1.0 (and higher) to version 1.0.3.

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-D:

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

   See: web remote

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.

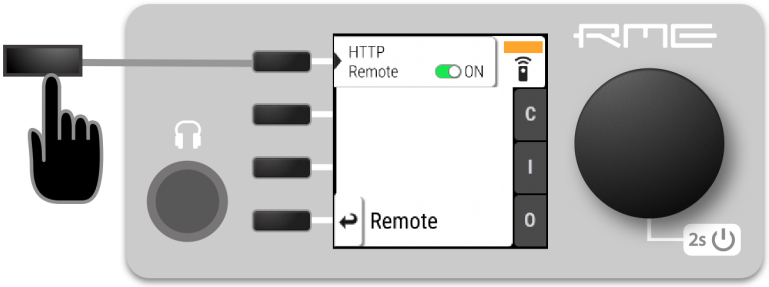
2.1. Finding the Device on a Network

The 12Mic-D has three integrated network adapters (USB 2.0 and dual 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.

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 **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-D 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 (II, II-D), M-32 DA Pro (II, II-D), 12Mic, 12Mic-D, 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-D 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:

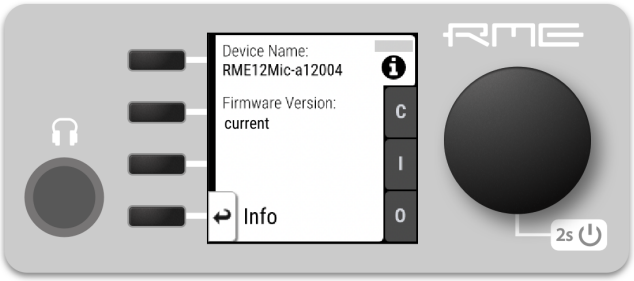
1. While the device shows the default screen with levelmeters, press the button **[i]** as in 'Info'.
2. Proceed to "LAN info"
3. The IP address is displayed.

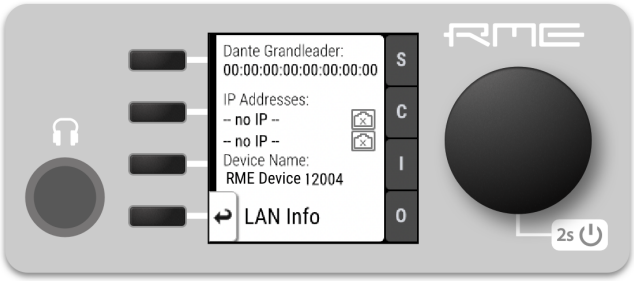
2.1.3. Connecting to the Remote Interface without IP address

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

by **.local/**.

The current device name is shown on the **Info** ⇒ **LAN Info** screen and also in the main menu, STATE section, System Information.





By default, the device name is unique and can be seen in the Dante® Controller. A resulting URL will look similar to:

http://RME12Mic-d65432.local/

The device name can be changed with the Dante Controller. It is limited to 32 characters and must not begin or end with a hyphen ("-").

on some operating systems or browsers, a trailing dot "." may be required after the 'local' domain: http://RME12Mic-d65432.local./