

Introduction

This document informs about the firmware version 3.5 / 3.11 for the RAVENNA Module that is installed in MONTONE.42 and PRODUCER.COM with RAVENNA option.

NOTE

The update contains a lot of new functions. To ensure that all new settings are applied with correct default values, please perform a factory default reset after the update.

New Features

- Two independent network ports, incl. two MAC addresses and two independent IP addresses (fixed or DHCP/zero-conf).

NOTE

Devices that were shipped with only one MAC address will get a second (unique) one automatically during the update.

- Redundancy support for multicast streams as per ST 2022-7 (seamless protection switching):
 - Redundant stream announcement via SAP and RTSP
 - Redundant RTP streaming
 - Redundant PTP synchronization

NOTE

The second port is configured to Clock Domain 1 per default to avoid Grandmaster issues if both ports are connected to the same network.

- Streams can be assigned to either one or both network ports (redundant streaming). This also allows to run configuration and streaming in different networks.
- Factory default IP for network Port 1: 192.168.0.1
- Factory default IP for network Port 2: DHCP
- New statistic tab with information about CPU usage etc.

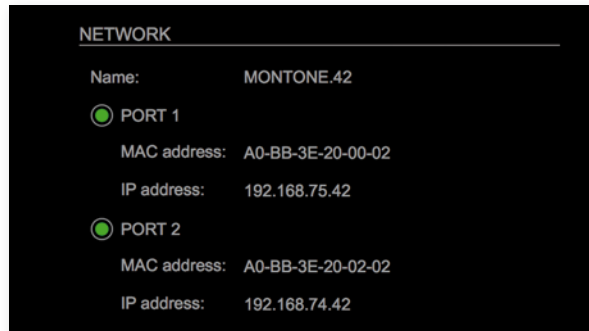
Bugfixes / Changes

- Factory default resets device name to a unique name.
- Factory defaults of streams changed to AES67 compliant stream setup
- Many minor usability bug fixes

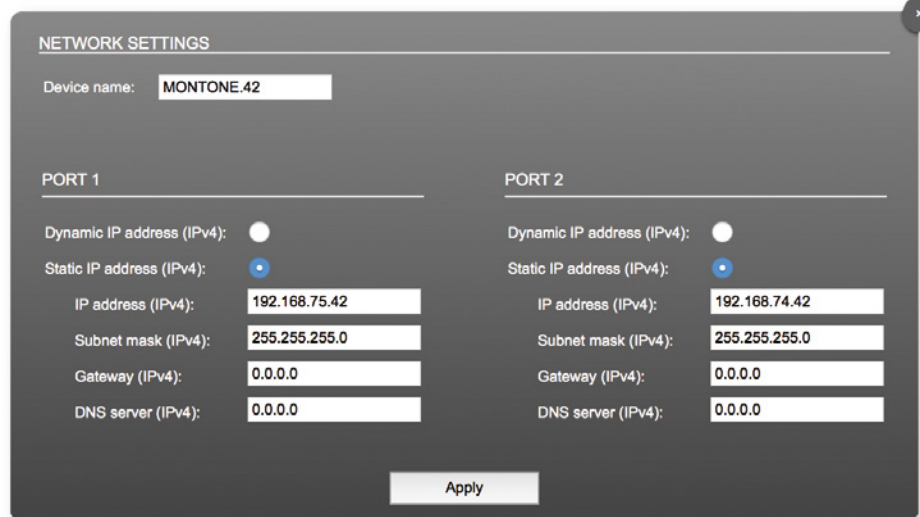
Independent Networks

The two network interfaces on the rear side of the device are operated independently, allowing to assign each port to a different network.

The GUI will display the two network ports in the tab 'Status'.



Setup of the network settings

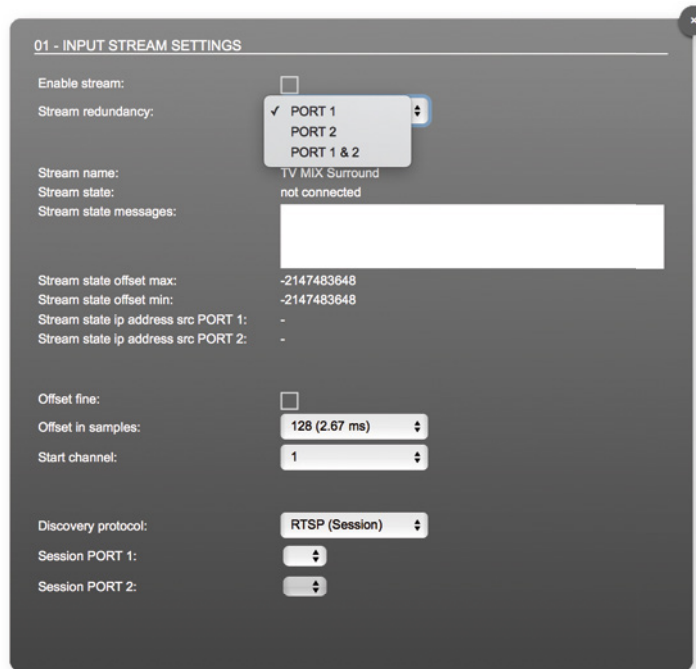


Each port needs its own IP address or shall be connected to a DHCP server. The IP address of port 1 can also be configured via the front panel.

The independent use of two network ports offers:

- Stream Redundancy (sending & receiving via both ports)
- or
- Separated networks for audio streaming and configuration

Input stream configuration with port selection:



- PORT 1 = Streaming is received via PORT 1
- PORT 2 = Streaming is received via PORT 2
- PORT 1 & 2 = Streaming is received via PORT 1 and 2

PORT 1 & 2 means input redundancy.

Depending on the selection of the network ports ('Stream redundancy') the particular streams sessions are displayed in a pull-down menu at the bottom.

Output stream configuration with port selection:

- PORT 1 = Streaming is sent via PORT 1
- PORT 2 = Streaming is sent via PORT 2
- PORT 1 & 2 = Streaming is sent via PORT 1 and 2

PORT 1 & 2 means that the output stream is sent to both networks.

Depending on the selection of the network ports ('Stream redundancy') the settings for the single ports become available at the bottom.