Who Is Lawo?
IP-Network
IP AUDIO NETWORKING
mc² series / NOVA73

FACTS

RAVENNA 4-Port NOVA Extension card (981/61)

Channels: 512 in / 512 out in total
(128 in / 128 out per port)

Connectivity: Backplane

Two working modes:
- RAVENNA Link (Point-to-Point)
- RAVENNA/AES67 (IP Layer 3)

Existing RAVENNA-Link installations can be upgraded to full RAVENNA/AES 67 with firmware update
FACTS

RAVENNA/MADI DALLIS Mastercard (947/22)

Channels: 128 in / 128 out

Two working modes:
- RAVENNA Link (Point-to-Point)
- RAVENNA/AES67 (IP Layer 3)

Existing RAVENNA-Link installations can be upgraded to full RAVENNA with firmware update
DALLIS RAVENNA Extension card (946/42)

Channels: 64 in/out or 8 in/out

Two working modes:
- 64ch. MADI stand-alone conversion
- 8ch. Backplane Mode
**FACTS**

DALLIS RAVENNA Extension card (946/42)

Channels: 64 in/out or 8 in/out

Two working modes:
- 64ch. MADI stand-alone conversion
- 8ch. Backplane Mode
FACTS

CRYSTAL IO module (952/38)

Channels: 64 in/out or 8 in/out

Two working modes:
- 64ch. MADI conversion
- 8ch. Backplane Mode
FACTS

RAVENNA/AES67 device

8 Mic, 4 Line Out

8 GPI in & 8 GPI Out

Power over Ethernet (PoE)

Cat5 (up to 100m/328ft) or Coax (up to 1000m/3280ft)
FACTS
RAVENNA/AES67 device
8 AES Inputs, 4 AES Outputs
8 GPI in & 8 GPI Out
Power over Ethernet (PoE)
Cat5 (up to 100m/328ft) or Coax (up to 1000m/3280ft)
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<th>FACTS</th>
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<td>Converter between RAVENNA &amp; MADI</td>
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<td>Flexible SFPs</td>
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<td>2 converter units per box</td>
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<td>Various modes possible:</td>
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<td>- 64/128 channel conversion 1:1</td>
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<td>- 64 channel MADI to RAVENNA Link adapter for mc²36</td>
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APPLIED IN THE STUDIO
Live / OnAir
Live / OnAir

Here is where your talents really focus
Simplify operation

AutoGain

DJ or guest just talks for 5 seconds.
The console sets the analog mic gain automatically to ensure proper levels.

Engage → Talk → Signal OK
Simplify operation

AutoMix
Put multiple mics into AutoMix
The desk automatically mixes the mics to always ensure a proper audio levels and clean and punchy sound.
VIRTUAL RADIO ENVIRONMENT
Today’s Typical Radio Studio.

Sound Cards

Codec

Hybrid

Voice Processor

Stream Encoder

Analog Gear

Air Processor

Console
Remember life before the smartphone?
Radio has experienced some of this already.
Today’s Typical Radio Studio.
The Virtual Radio Studio.
RELAY
The RELAY Radio Bag.
RELAY PLATFORM - How it works
The RELAY Products

- **VRX4** Virtual Radio Mixer Software. 4 faders, 1 mix bus, native processing.
- **VRX8** Virtual Radio Mixer Software. 8 faders, 2 mix buses, Automix, native processing.
- **OnAir4** RAVENNA/AES67-based audio interface. Mic/lines, headphones, zero latency monitoring
- **Virtual PatchBay** Routing, soundcard control, RAVENNA/AES67 interface, VST host, processing.
- **Virtual Sound Card** RAVENNA/AES67 driver for Windows.
- **Third party products available from partners**
THANK YOU VERY MUCH FOR YOUR ATTENTION.

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