



# Nixer RL Series

## Audio over IP Monitoring Units

A range of compact 1RU 19" confidence audio monitoring and mixing units, designed for Broadcast Control Rooms and Outside Broadcast trucks.



## Product Description

The Nixer RL Series comprises a range of AoIP monitoring units based around a compact 1RU 19" rack mounted enclosure. They have been designed for operators working in critical events to provide cost effective confidence monitoring across multiple networks and high channel counts.

Four models are available potentially providing confidence monitoring of up to 256 channels at 48kHz (128 channels at 96kHz). The RL64 offers 64 channels, the RL128 provides 128 channels across 2 ports, the RL192 provides 192 channels across 3 ports while the RL256 gives 256 channel capability across 4 network ports.

The RL Series can be supplied with either Dante® or Ravenna (AES67/ST2110) capability. Work on native ST2110 compatibility with NM0S IS-04 and IS-05 is planned for Summer 2020 – contact the Sales Office for the latest status.

The audio signals are presented to the user via the inbuilt 40mm x 90mm full range speakers or via the 3.5mm headphone jack. The speakers are automatically muted when a headphone jack is inserted. Simultaneous outputs are also available in the form of the stereo balanced line outputs and AES output accessed via XLR connectors on the rear of the RL256 Monitor.

The RL Series Monitor is operated and controlled via the letterbox 16.7 cm diagonal LCD and capacitive touch screen display (1440 x 240 24 bit colour). A simple and elegant menu system provides easy and intuitive navigation allowing the user to monitor the channels they want very quickly, ideal for critical live events. A mix mode also allows easy selection and monitoring of multiple sources into the main output chain.

The high-resolution screen offers clear, comprehensive metering and status information to the user.

Firmware updates of the RL256 Monitor are achieved via a dedicated USB micro AB connector on the front panel. There is also a dedicated 3.5mm jack socket for the headphone output.



On the rear of each RL Series Monitor there is an aerial connector for the optional Wi-Fi remote.

Next there are 2 x balanced line outputs on 3 pin male XLRs, AES input also on 3 pin female XLR and an AES output on 3 pin male XLR. These outputs can be configured to follow the main volume settings of the speakers/headphones or alternatively, they can be set to independent levels with individual trim controls for each. They can also be set independently to follow the main Mute control.

2 x 2.5 mm DC input connectors allow for redundant power supply connections via external 24V 2 Amp DC adaptors.

An optional Wi-Fi access point is also available for the RL Series. This allows for full remote control of each unit via an iPad app. Channel selection is made on the iPad screen and the resultant audio will be heard via the iPad headphone output. Available Q3 2021.

## Specifications

Max 256 inputs at 48 kHz consisting of the following  
256 channels (48 kHz) or 128 channels (96 kHz) from the following

- 64 channels on Ethernet port 1
- 64 channels on Ethernet port 2
- 64 channels on Ethernet port 3
- 64 channels on Ethernet port 4

RL Series Monitors are specified at time of purchase to be either Dante® or Ravenna.  
Each port is capable of running at an independent sample rate 44.1 kHz, 48 kHz or 96 kHz.

Ports can be connected to four independent networks or to the same network or a mix.

Simple touch screen interface allows the selection of any input in either mono or stereo to be selected to the in-built speakers or headphone output

- Tab between the four ports (where relevant)
- 16 channel display with touch selection to monitor channel
- Swipe left or right through all 64 channels on a given port
- Touch meter to monitor selected channel
- Simple All Good indicator
- Separate diagnostic page is selectable which gives details of each port status, IP addresses and PSU status

### Outputs

With the following controls

- Level
- 3 band EQ, Low, Mid, High
- Limiter
- Mute
- Amplifier drives up to 2 W into 8 Ohms into either  
Headphones on 3.5 mm jack
- Built in speakers 2 x 40 mm x 90 mm full range speakers
- Line outputs
- +21 dBu (0 dBFS) electronically balanced output
- User option to follow output level and/or Mute
- 2 x 3 pin male XLR
- AES Output
- User option to follow output level and/or Mute
- AES output can be set to sample rates of 44.1 kHz, 48 kHz or 96 kHz
- 3 pin male XLR

### Connectors

- 8 x RJ45 Ethernet jacks
- 2 x 2.5 mm DC jacks
- 1 x USB
- 3 x XLR male
- 1 x 3.5 mm jack
- 1 x XLR female
- 1 x SMC aerial



### Housing

- 19 inch compact 1RU painted zintec construction
- Featuring 6.6 inch letterbox capacitive touchscreen (1440 x 240 16.7M colour)



ON AIR

With

 Nixer

 DANTE  
RAVENNA

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## Ordering Information

<b>RL Series</b>	
<b>RL64 Monitor</b>	
<b>NIX00600D-64</b>	RL64 Monitor - 1U rack mounted 64 channel Dante AoIP monitor and mixer
<b>NIX00600D-64WIFI</b>	RL64 Monitor - 1U rack mounted 64 channel Dante AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>NIX00600R-64</b>	RL64 Monitor - 1U rack mounted 64 channel Ravenna AoIP monitor and mixer
<b>NIX00600R-64WIFI</b>	RL64 Monitor - 1U rack mounted 64 channel Ravenna AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>RL128 Monitor</b>	
<b>NIX00600D-128</b>	RL128 Monitor - 1U rack mounted 128 channel Dante AoIP monitor and mixer
<b>NIX00600D-128WIFI</b>	RL128 Monitor - 1U rack mounted 128 channel Dante AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>NIX00600R-128</b>	RL128 Monitor - 1U rack mounted 128 channel Ravenna AoIP monitor and mixer
<b>NIX00600R-128WIFI</b>	RL128 Monitor - 1U rack mounted 128 channel Ravenna AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>RL192 Monitor</b>	
<b>NIX00600D-192</b>	RL192 Monitor - 1U rack mounted 192 channel Dante AoIP monitor and mixer
<b>NIX00600D-192WIFI</b>	RL192 Monitor - 1U rack mounted 192 channel Dante AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>NIX00600R-192</b>	RL192 Monitor - 1U rack mounted 192 channel Ravenna AoIP monitor and mixer
<b>NIX00600R-192WIFI</b>	RL192 Monitor - 1U rack mounted 192 channel Ravenna AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>RL256 Monitor</b>	
<b>NIX00600D-256</b>	RL256 Monitor - 1U rack mounted 256 channel Dante AoIP monitor and mixer
<b>NIX00600D-256WIFI</b>	RL256 Monitor - 1U rack mounted 256 channel Dante AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>NIX00600R-256</b>	RL256 Monitor - 1U rack mounted 256 channel Ravenna AoIP monitor and mixer
<b>NIX00600R-256WIFI</b>	RL256 Monitor - 1U rack mounted 256 channel Ravenna AoIP monitor and mixer WiFi remote control and monitoring via iPad App
<b>RL Series Monitor Accessories</b>	
<b>NIX00629</b>	24V 1.5A Power adaptor 90-264VAC input with multi-blade adaptors. 2.5mm screw lock plug
<b>NIX00602D</b>	Dante AoIP card for RL Series - must be installed by a premium distributor
<b>NIX00602R</b>	Ravenna AoIP card for RL Series - must be installed by a premium distributor