NEW!

CONVERGE™ | SR 1212

Digital Matrix Mixer

The Converge SR 1212 is a highly-advanced 12x12 automatic digital mixer with ClearOne's fourth-generation audio processing technologies. The Converge SR 1212 delivers enhanced management features, simplified configuration tools, and industry-leading expandability for virtually any venue or application.

ClearOne®

THE ULTIMATE IN AUDIO PROCESSING AND DIGITAL MATRIX MIXING

CONVERGE SR 1212 APPLICATIONS

Convention Centers and Hotels

Auditoriums

Stadiums

Conference Rooms

Houses of Worship

Theaters

CONVERGE SR 1212 ADVANTAGES

Advanced Conferencing Feature Set

+ Management Improvements
  > Integrated Ethernet and USB connections
  > SNMP and HTML remote management agents
  > Event scheduler
  > Diagnostic console
+ Simplified Configuration Software
  > Drag & drop A/V and channel objects
  > Selectable views—unit, matrix, channel
+ Expanded serial command set

Superior Audio Performance

+ Unique automatic mixing process delivers optimum intelligibility
+ 20 Hz-22 kHz bandwidth for full-range audio response
+ ALC & AGC keep participants' audio balanced and consistent

Configuration Flexibility

+ Link multiple Converge/Converge Pro units (Converge Pro 880, 880T, 840T, 8i, TH20, and Converge SR 1212) for extensive microphone coverage and up to 16 phone lines
+ Enhanced expansion bus, featuring 12 mix-minus audio buses for routing between units
+ Eight mic gating groups (four internal & four global) allow separation of mics into individual mixer gating groups for greater configuration flexibility
+ 32 presets can be executed on-the-fly without disturbing other ongoing preset operations
+ 255 Macros for customized audio control/configuration with single command execution

ClearOne®

> **CONVERGE SR 1212 BACK PANEL**

> **SPECIFICATIONS**

Audio Performance
Conditions: Unless otherwise specified, all measurements are performed with a 20 Hz to 22 kHz BW limit (no weighting)
Frequency Response: 20 Hz to 22 kHz ±1dB
Noise (EIN): -126 dBu, 22 kHz BW, max gain,
Rs=150 Ω
THD+N: <0.02%
Dynamic Range: 100 dB (non A-weighted)
Crosstalk <-91 dB re 20 dBu @ 20 kHz channel to channel

Auto Mixer Parameters
Number of Open Microphones (NOM)
PA Adaptive Mode
First Mic Priority Mode
Last Mic Mode
Maximum # of Mics Mode
Ambient Level
Gate Threshold Adjust
Off Attenuation Adjust
Hold Time
Decay Rate

Matrix Mixing Parameters
12 analog inputs/outputs
12 expansion bus in/out
8 assignable processing blocks in/out
4 assignable fader blocks in/out

Assignable Processing Blocks
Filters
  All pass
  Low pass
  High pass
  Low shelving
  High shelving
  Parametric EQ
  Notch
  CD Horn
Crossovers
  Bessel
  Butterworth
  Linkwitz-Riley
Compressor
Delay–adjustable up to 250 ms

Assignable Fader Blocks
Gain/Mute

Microphone Input Configuration
Input Gain Adjust
Mic or Line Level
Phantom Power on/off
Filters
  All Pass
  Low Pass
  High Pass
  Notch
  PEQ
Mute on/off
Chairman Override on/off
AGC on/off
Automatic Level Control on/off
Auto Gate/Manual gate
Adaptive Ambient on/off

Mic/Line Inputs 1-8
Push-on mini-terminal block, balanced, bridging
Impedance: < 5 KΩ
Nominal Level: adjustable -56 dBu to 0 dBu (7 dB step coarse gain adjustment)
Maximum Level: -65 dBu to +20 dBu

Line Inputs 9-12
Push-on mini-terminal block, balanced, bridging
Impedance: < 5 KΩ
Nominal Level: 0 dBu
Maximum Level: 20 dBu

Outputs 1-12
Push-on mini-terminal block, balanced
Impedance: < 50 Ω
Nominal Level: 0 dBu
Maximum Level: 20 dBu

Expansion Bus In/Out
Proprietary Network
RJ-45 (2), 1.9 Mbps
CAT-5 twisted-pair cable, 200' maximum cable length between units

Ethernet
Autoswitching with Quality of Connection (QoC)
10/100 Mbps Ethernet Network Port
10/100 Mbps Ethernet PC Port
RJ-45 Connectors

RS-232
Serial Command Protocol Only (Console software not supported on RS- 232 port)
DB-9 female
9,600/19,200/38,400/57,600/115,200 baud rate; 8 bits,
1 stop bit, no parity
Hardware flow control on (default)/off

Control/Status Ports
DB-25 female A/B (2)
Inputs A/B: active low (pull to ground)
Outputs A/B: open collector, 40 VDC max, 40 mA each
+3.3 VDC pins (2) (300 mA over-current protected)

USB
Version 2.0 compatible
Type: B-connector

Configuration & Administration Software
Converge™ Console

Power Input Range
Auto-Adjusting
100–240 VAC; 50/60 Hz

Power Consumption
30 W Typical

Dimensions (L x D x H)
17.25" x 10.25" x 1.75"
43.8 x 26 x 4.5 cm

Weight
7.5 lbs/3.3375 kg unit weight
12 lbs/5.4kg shipping weight

Operating Temperature
14° F/-10° C to 122° F/50° C ambient unit temperature

Approvals
See the *Installation & Operation Manual* for complete details
AES48-2005: AES standard on interconnections —
Grounding and EMC practices — Shields of connectors
in audio equipment containing active circuitry (self certified)

Optional Accessories
Converge Pro 880
Converge Pro 880T
Converge Pro 840T
Converge Pro 8i
Converge Pro TH20
Tabletop Controller

Part Number
910-151-900 Converge SR 1212
12x12 Digital Matrix Mixer

> **CLEARONE LOCATIONS**