NEW!

CONVERGE™ | SR 1212A

Digital Matrix Mixer with Four Channel Power Amplifier

The Converge SR 1212A is a highly advanced 12X12 automatic digital mixer with four power amplifiers. The Converge SR 1212A delivers enhanced management features, simplified configuration tools and industry-leading expandablity for use in virtually any venue and application.

ClearOne®

THE ULTIMATE
IN AUDIO
PROCESSING
AND DIGITAL
MATRIX MIXING

HDConference™

APPLICATIONS

Boardrooms

Training Centers

Municipal Rooms

Courtrooms

Houses of Worship

Telemedicine

Presentation Systems

Zoned Paging

Masking Systems

ADVANTAGES

Advanced 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
+ DARE™ (Dynamic Automatic Resonance Elimination) for control of feedback
+ 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
+ Advanced Digital Processing on each amplifier channel

Configuration Flexibility
+ Four built-in 35 Watt amplifiers, 8Ω or 70V/100V
+ Up to 96 microphones
+ Link multiple Converge/Converge Pro units (Converge Pro 880, 880T, 880TA, 840T, 8i, TH20, Converge SR 1212 and SR 1212A) for extensive microphone coverage and up to 16 phone lines
+ Enhanced expansion bus, featuring 18 mix-minus audio buses for routing between units
+ Ten mic gating groups (four internal & six 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
+ No space required between rack mounted units

> **CONVERGE PRO SR 1212A BACK PANEL**

> **SPECIFICATIONS**

Audio Performance
Conditions: Unless otherwise specified, all measurements are performed from 20 Hz to 22 kHz BW limit (no weighting)
Frequency Response: 20 Hz to 22 kHz +/- 1 dB
Noise (EIN): -126 dBu, 20 kHz BW, max gain
Rs= 150Ω
THD+ Noise: <0.02%
Dynamic Range: >105 dB (non A weighted)
Crosstalk: <-91 dB re 20 dBu full band.

Mic/Line Inputs 1-8
Push-on mini-terminal block, balanced, bridging
Impedance: > 5 KΩ
Nominal Level: adjustable -56 dBu to 0 dBu (7dB step coarse gain adjustment)
Maximum Level: -65 to +20 dBu
Phantom Power: 24V, selectable

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

Output 1-8
Push-on mini-terminal block, balanced, bridging
Impedance: < 50Ω
Nominal Level: 0 dBu
Maximum Level: 20 dBu

Auto Mixer Parameters
Number of Open Microphones (NOM)
PA Adaptive Mode
First Mic Priority Mode
Maximum # of Mics
Ambient Level
Gate Threshold Adjust
Off Attenuation Adjust
Hold Time
Decay Rate
Chairman Override
96 Total Microphones per site
6- Global Gating Groups
4- Internal Gating Groups

Matrix Mixing Parameters
8- Microphone Analog Inputs
4- Analog Line Inputs
8- Analog Line Outputs
4- Power Amplifier Outputs
18- Expansion Bus in/out
8- Assignable Processing Blocks in/out

Assignable Processing Blocks
Filters
   All Pass
   Low Pass
   High Pass
   Low shelving
   High shelving
   PEQ
   Notch
   Crossovers
   CD Horn
Compressor
Delay: adjustable up to 250 ms

Power Amplifier Output Processing
FeedBack Elimination w/ring cancellation
10-band EQ filter
4-node filter bank for Crossover
Delay Block
Compressor/Limiter
Noise Gate for Hiss Control
Sound Masking Generator per channel
Adaptive Volume Control
Multi Channel Control

Microphone Processing
4-node filter bank
AGC/ALC

Power Amplifiers
Channels: 4
Amplifier Output: 4x35 Watts into 8Ω
Impedance: Selectable 8Ω, 70V, 100V
THD + Noise: <0.2% (1/3 Power)
Crosstalk: <-68 dB

Expansion Bus
Connection: CAT 5, RJ45
Mix Minus Structure
18 Audio Buses
6 Gating Buses
8 Reference Buses

Network
10/100 Auto Switching (PC and Network Port)
HTTP Server
Telnet Client
SNMP Agent
SMTP Client
DNS
DHCP

RS-232
DB-9
9.6k – 115k baud
8/1/0
Hardware Flow Control

USB
Version 2.0 compatible
Type: B-connector

GPIO
DB 25 female (A/B)
Inputs: Active Low
Outputs: Open Collector, 40Vdc, 40 mA

Power
100-240VAC; 50/60 Hz, 300 Watts (maximum)
Idle: 139 BTU/hr
Full Load: 779 BTU/hr
Efficiency: >80%

Humidity
15 to 80%

Mechanical
Dimensions: 2RU
3.5" H x 17.25" W x 15.92" D
Weight: < 30 lbs.

Environmental
Operating temperature:
32-122 degrees F

Compliance
FCC
Industry Canada
CE
RoHS
Class 2 Wiring Required

Part Number
910-151-901 Converge SR 1212A

> **CLEARONE LOCATIONS**

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