NSP (Ref. 2)

Network Signal Processor

The NSP (Network Signal Processor) is the external parameter expansion for grandMA systems. Completely compatible with the grandMA family. Supports four independent DMX universes. Decentralised DMX output for multi-user and backup systems. Also operates as Ethernet node with several network protocols. DMX output for grandMA onPC.

Technical Specification – Art.-No. 130101

Physical Input / Output
Network: 100 base TX, EtherCon
DMX-512A: 5-pin XLR: 4x OUT, or 3x OUT and 1x IN*, or 2x OUT and 2x IN*
[*only in Art-Net mode]
Keyboard: 1x PS2
Mouse: 1x PS2
VGA: 1x DB-15

User Interface
Intuitive menu structure
Backlit LCD display
4x function keys
1x encoder wheel
External VGA monitor, PC keyboard and PC mouse optional.

Dimensions
Size: 483 x 44 x 180 mm
  (19 x 1.7 x 7 inches)
Weight: 3.3 kg / 7.3 lbs

Technical Details
Parameters: 2,048 with 8 or 16 bits
Protocols: DMX-512A, MA-Net, Art-Net
Operating System: VxWorks
Permanent Memory: 64 MB CF-Card Flashcard
Processor: Geode, 500 MHz
Main Memory: 256 MB (512 MB possible)
Power Supply: 110/240 V, 50-60 Hz
Power Rating: 15 W

Parameter Expansion
Large shows may require more control channels than a single console can handle. Instead of virtually linking the outputs of multiple consoles, grandMA offers true expansion of a single console's parameter capacity. Up to 16,384 individual parameters in both 8bit and 16bit resolution are controlled and displayed on a single grandMA console, with a maximum of 64 discrete DMX universes on the network. When configured in parameter expansion mode, the master console functions as a terminal interface: communicating and displaying locally – while all controlled parameters are processed externally by Network Signal Processors (NSPs).

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