

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).

