

Somo-II DMX-MP3 Player PRO



Compact DMX512 controlled MP3 player based on the 4D Systems' SOMO-II module. Control the playback of up to 255 MP3 format tracks using either uSD or USB pen-drive media.

The SOMO-II DMX Player requires 3 DMX channels with the base address set between channels 1 and 510.

The MP3 player provides quality stereo audio at line output levels for further amplification in your existing sound system and a mono speaker output at up to 3 Watts into 4 ohms. The audio volume is fully controlled via the DMX network.

The Somo-II DMX player will accept either FAT16 or FAT32 formatted uSD cards or USB flash drives.

Connections

| | |
|-------------------------|--|
| DMX: | 3-way terminal block |
| Power: | 2-way terminal block / 9-12V DC at 0.5Amps |
| Line Outputs: | 3.5mm stereo socket |
| Speaker Outputs: | 2-way terminal block / 4 - 8 ohm |

Status LEDs

| | |
|-------------------|---|
| Red LED: | Power |
| Amber LED: | Track playing |
| Green LED: | Solid: DMX present, flashing: no DMX signal |

Base Address Selection

Add the value of the address DIP switches(1-9) set to the ON position to calculate the base address. Base address = channel 1, base address + 1 = Channel 2 etc.
The base address is read continuously.

Mode Select

Set DIP switch #10 to ON for Direct mode and to OFF for Slider (friendly) mode

File Storage:

The Somo-II DMX player is capable of playing up to 255 MP3 tracks in direct mode and up to 16 MP3 tracks in Slider mode.

For the files to be read, they MUST be located in a folder labelled **01** on the media

The labels of the files MUST also be prefixed with a number in the format 001 to 255
this prefix is used by the Somo-II to select a particular file- eg

| | |
|-----------------|-------------|
| 001Kalima.mp3 | - track 1 |
| 002Bignoise.mp3 | - track 2 |
| 103anytext.mp3 | - track 103 |

If you get an unexpected order of play, check you have complied with the above requirements

For further details, please refer to the SOMO-II data sheet at www.4dsystems.com.au

The SOMO-II will automatically detect whether a USB drive or uSD card is inserted. Not surprisingly, if you use both at the same time, it will get confused!

Command Syntax

The Somo-II DMX Player requires 3 consecutive control channels and may be configured to run either in **Direct Mode** where it is possible to send the unit discrete command data bytes or in **Slider Mode** to make the unit more suitable for use with a slider type control desk:

Channel 1- Command Byte

| Action | DMX Value | |
|---------------------------------|-------------|-------------|
| | Direct Mode | Slider Mode |
| Stop | 0 | 0-15 |
| Select and Start Play track | 1 | 16-31 |
| Pause Playing of current track | 2 | 32-47 |
| Resume playing of current track | 3 | 48-63 |
| End-Loop play mode | 4 | 64-79 |
| Begin Loop play mode | 5 | 80-95 |
| All other values | ignored | |

Channel 2- Select Track (Only read with command # 1- Select and Play current track)

| | DMX Value | |
|-----------|-------------|--------------------------------|
| | Direct Mode | Slider Mode |
| Track 001 | 1 | 0-15 |
| Track 002 | 2 | 16-31 |
| | .. | |
| Track 016 | 16 | 240-255 |
| | .. | ----- |
| Track 233 | 233 | (Max 16 tracks in Slider mode) |

Channel 3- Set Volume (same operation for both modes)
 0-255 (0:mute, 255: full volume in 30 steps)

Mechanical

PCB Dimensions: 82x60x18mm (excluding media card/drive).

