DSP2A/DSP3A Switchpack

DMX512 switches 2 x 4000VA SPST or 3 x 2000VA SPDT, including one 0..10V 55mA Out

The new DSP2A and DSP3A series combines all the best of the last DSP1/3 II and DSP2 plus series. The control interface is still the DMX512 protocoll and all terminals are on its old place. In addition both models have a wide area power supply for all common mains voltages from 85V to 264V~ and can be used so worldwide. Furthermore both models have an analogous output for 0..10V at 55 mA.This output can source or sink current.

Font view DSP2A

Font view DSP3A

Important notice about different loads

- Ohmic loads: described as in the case of AC1.
  DSP3A - 8A continous- and 20A inrush current at 250V~ (2000VA)
  DSP2A - 20A continous- and 70A inrush current at 250V~ (4000VA)
- Inductive loads: dependant of the phase angle (cosϕ) between voltage an current only a lower current is permitted.
  For DSP3A - 3A, 250V~, cosϕ= 0,4. If necessary there may be add over voltage protection parts (Varistors)
- Capacitive loads: e.g. electronic ballasts for fluorescent lamps may causes high inrush currents which rise up to 30amps per device (independent of the lamp power). In this case the maximum load of the relay contact should not be higher than 1/3 of the given value. (DSP3A = 8A). Never connect more than 8 electronic ballasts together to one contact!

Summary :

- DSP3A - 3x SPDT, 250V~, 8A, 2000VA, ac1
- DSP2A - 2x SPST, 250V~, 20A, 4000VA, ac1
- LED indication of relay status, 0..10V output, DMX512 signal and power ON
- Via rotary switch decimal setting of DMX address and testmodes
- Integrated AC supply from 85 - 264V 47 - 63Hz
- Module housing for DIN-rail mounting on walls or in cabinets
- “HOLD” of the latest settings or “BLACK ALL” in case of DMX failure

Specifications:

- Power supply: 100 - 240V~, +/-10%, 47-63Hz, 5W
- Switching frequency: max. 10Hz
- Dimensions : 70mm W x 110mm H x 77mm D
- Weight: approx. 240g
- Colour: pale grey, as RAL 7035

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DSP2TRA Switchpack

DMX512 switches 2 x 250V~/16A? 2 analogue 0-10V outputs

Switchpack: DSP2TR2A

- The special of the DSP2TR2A is to switch and control LED supplies and other electronic ballasts with high momentary inrush currents.
- The problem to be solved is the summary of high inrush currents of several ballasts which should work at one AC Line.
- The DSP2TR2A is able to do that by switching at zero cross state and using a precision timing between electronic and mechanical relays.
- Because of this feature of the two potential free switches the DSP2TR2A is able to bring more ballasts / supplies online at a 16A circuit breaker as it would be possible without reducing of momentary inrush currents.
- In case of ON signal to both switches at the same time there is a fix delay of approx. 30 ms between K1 and K2, so they never can switched into the on state at the same time. The two additional 0-10V outputs for a direct control of dimmable ballasts are able to source and sink currents up to 50mA.
- A further special is to store a complete DMX512 Frame (scene) into the DSP2TR2A. In case of a DMX failure or without DMX this scene is able to control the switches and the 0-10V outputs.

Specifications:

- Relay- and Triac- circuit design
- Switch capacity 250V~/16A
- 2 analogous 0-10V/50mA outputs (source/sink)
- Linear or logarithmic curve for 0-10V outputs
- 4 DMX addresses (2x switch, 2x 0..10V) or in combination with hysteresis
- Elevator clamps for line voltage and colored cage clamps for all types of wires (DMX512 and 0-10V.)
- Terminals for DMX512 input and through
- Testmodes
- Dimensions (LxWxH): 106,25 x 90,2 (without locking knob) x 57,5 mm
- Weight: 270g

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DSP8 Switchpack

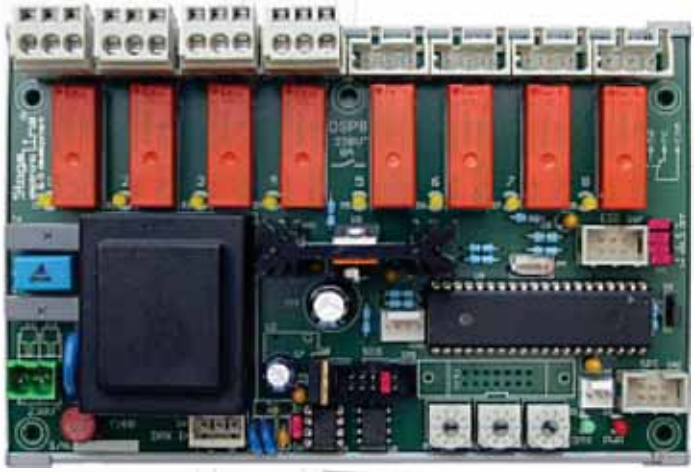
DMX512 controls 8 Power-Relays 250V~ 8A, 1x SPDT with connectors

The DSP8, on multiple customer request developed from the DSP16 is now equipped with volt free SPDT relay contacts to switch 250V~ 8A. All functions of the DSP16 was equal to the DSP8. (e.g. motorized curtain & blind control)

Simple and timesaving wiring by use of screw less plug connectors (WAGO CageClamp)

Many selectable modes:

1. 8 ON / OFF switches, each relay corresponding to one DMX channel and will be switched on when reaching a value > 60 % and switched off at a value of < 40 %.
2. 8 push-buttons, each relay corresponding to one DMX channel and will be switched on for one 1s upon reaching a value > 60 %. Only if the DMX value is falling under 40 %, the unit can be switched on again.
3. The modes 1) or 2) can be selected for mutual locking (channel 1-2, 3-4, ...). (Open / close of motorized blinds)
4. Control of color changers, one DMX channel controlling 4 relays. All 4 relays are switched individually, subsequently and depending on the DMX value. Relay 1 will switch on at a value > 20 %, at > 40 %, relay 1 will be switched off and relay 2 takes over. A value > 60 % will switch off relay 2 and switch on relay 3. > 80 % will switch off relay 3 and switch on relay 4. At a value below 20 %, none of the relays is activated.
5. 8 ON / OFF switches, each relay corresponding to one DMX channel and will be switched on when reaching a value of 8 digit and switched off at a value of 6 digit.
6. Motorized curtain Close,(Stop),Open, 3 Relays controlled by one DMX channel. “Single fader control”
7. as 6) but Open / Close single impulse



Furthermore, the operating mode in case of DMX failure can be determined: hold the last value or black all.

The DMX start address [001 - 512] is set in a decimal mode via the rotary switches. Other addresses can activate the test mode or mute the DSP8. Two LEDs indicate the operation status of the DSP8.

An integrated power supply unit and screw less -ac supply connector guarantee the easy connection in an installation.

The DSP8 is also available as PC-board for the retrofit installation and with external code switches (see Accessories: code switches).

Features:

- 8 volt free relay contacts (SPDT) 230V~ 8A
- various operation modes
- free for functions and interfaces specified by customer (e.g. MIDI, ASCII, ...)
- indication of AC voltage and DMX signal
- switch position 000 for mute and test 901..908
- DIN-rail mounting option - SNAP

Technical data:

Operating voltage:	230V 50-60Hz
Size:	160 x 100 x 55mm
Weight:	410g

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DSP8 DIN

DMX512 controls 8 Power-Relays 250V~ 8A, 1x SPDT with connectors

DSP8-DIN

The DSP8-DIN is the housing version of the DSP8-pcb for direct DIN-Rail mounting.

Each relay channel has a SPDT contact and is capable to switch 230V~/ 8A continuous current or 30A inrush current.

The DSP8-DIN includes several functions for opening and closing motorized curtains and blinds by button events or “one fader” control, mutual locking of relays, fader to 4 relay switch and a 8 channel sequencer expandable up to 80 channels.

As an option an extern user panel is available, with 8 switches SPDT for manual ON, OFF or DMX use, LEDs for switching state and the three rotary code switches.

Features:

- 8 relay channels with SPDT contact for 250V~/8A
- DIN-Rail mounting
- Functions for curtains and blinds
- Sequencer, expandable up to 80 channels
- Elevator clamps for line voltage and loads
- colored cage clamps for DMX512 In- & Output
- Dimensions (LxWxH): 160 x 90 x 58 mm
- Weight: 452g

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DSP16 Switchpack

DMX512 controls 16 relays now available with SPDT contacts. Comfortable Installtion with plug connector and LED display per channel.

The DSP16 is a 16 channel relay switchboard controlled by DMX512. Each of the 16 relays is able to switch a maximum of 42V/2A =/~ inrush and continous current.

The connection is carried out with plug connectors for every channel. For better control of the switching condition the new DSP16 version has a LED per channel.

Next to the base functions, “one DMX channel for one relay”, even further modes can be chosen by a DIP switch.
In the course of the revision of the DSP16 the power supply was enlarged for mains voltages between 85V and 264V~. A direct voltage supply between 10V and 30V dc is also deliverable.

Also see DSP8 for applications with load relays.

Examples of modes :

1. 16 ON / OFF switches, each relay corresponds to one DMX channel and will be switched on at a value greater than 60% and will be switched off at a value less than 40%. A hysteresis of 3% (7digits) to 2% (4 digits) is available, too.
2. 16 push-buttons, every relay is switched on for 1 second . Hysteresis same as 1)
   The modes 1) or 2) can be selected for mutual locking (channel 1-2, 3-4, ...). (Open / close of motorized blinds)
3. Control of color changers, one DMX channel controlling 4 relays. All 4 relays are switched individually, subsequently and depending on the DMX value. Relay 1 will switch on at a value > 20 %, at > 40 %, relay 1 will be switched off and relay 2 takes over. Corresponding at the values 60% and 80%. A value less than 20% turns all relays off.
4. Motorized curtain Close,(Stop),Open, 3 relays controlled by one DMX channel. “Single fader control”
5. as 4) but Open / Close single impulse

Furthermore, the operating mode in case of DMX failure can be determined: hold the last value or black all.

The DMX start address [001 - 512] is set in a decimal mode via the rotary switches. Other addresses can activate the test mode or mute the DSP16.
Two further LEDs (power on & DMX signal) indicate the operation status of the DSP16.

The ac power supply and the DMX input also are equipped with plug connectors. .
A DMX512 termination is available, too.

Features:

- external rotary- & push button codeswitches
- free for functions and interfaces specified by customer (e.g. MIDI, ASCII, ...)
- DIN-rail mounting option - SNAP

Technical data:

Supplyvoltage:	85 -264V 47-65Hz
Interface:	DMX512-1990, optical isolated
Dimensions:	160 x 100 x 55 mm
Weight:	280g

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DSP16H Switchpack

DMX512 controls 16 Intelligent-Power-High-Side-Switches for external dc supply up to 24V / 4A continous- & 30A inrusch current. For LEDs und LED-Lamps.

The DSP16H is a 16 channel DMX512 controlled semiconductor swichboard, based on our DSP16 relay version. The DSP16H has no relays but semiconductor switches (intelligent-power-high-side-switches IRF6021) differently than the DSP16. That means, the positive pole is switched and a common ground potential can become connected to all loads.

These powerswitches has a nominal voltage and current of 24V/4A. All switches are electrically independent of each other. This makes it possible to switch 16 different voltages if necessary. Each of the 16 plug connectors has 2 terminals for + supply / passing (max. 10A) and one terminal is Vout.

For better control of the switching condition the DSP16H has a LED per channel. Next to the base functions, “one DMX channel for one relay”, even further modes can be chosen by a DIP switch

The power supply is for mains voltages between 85V and 264V~. A direct voltage supply between 10V and 30V dc is also deliverable.

Examples of modes:

1. 16 ON / OFF switches, each power switch corresponds to one DMX channel and will be switched on at a value greater than 60% and will be switched off at a value less than 40%. A hysteresis of 3% (7digits) to 2% (4 digits) is available, too.
2. 16 push-buttons, every power switch is switched on for 1 second . Hysteresis same as 1)
   The modes 1) or 2) can be selected for mutual locking (channel 1-2, 3-4, ...). (Open / close of motorized blinds)
3. Control of color changers, one DMX channel controlling 4 switches. All 4 switches are switched individually, subsequently and depending on the DMX value. Switch 1 will switch on at a value > 20 %, at > 40 %, scwitch 1 will be switched off and switch 2 takes over. Corresponding at the values 60% and 80%. A value less than 20% turns all switches off.
4. Motorized curtain Close,(Stop),Open, 3 switches controlled by one DMX channel. “Single fader control”
5. as 4) but Open / Close single impulse

Furthermore, the operating mode in case of DMX failure can be determined: hold the last value or black all.
The DMX start address [001 - 512] is set in a decimal mode via the rotary switches. Other addresses can activate the test mode or mute the DSP16H.

Two further LEDs (power on & DMX signal) indicate the operation status of the DSP16H.

The ac power supply and the DMX input also are equipped with plug connectors. .
A DMX512 termination is available, too.

Features:

- external rotary- & push button codeswitches
- free for functions and interfaces specified by customer (e.g. MIDI, ASCII, ...)
- DIN-rail mounting option - SNAP

Technical data:

Supplyvoltage:	85 -264V 47-65Hz
Interface:	DMX512-1990, optical isolated
Dimensions:	160 x 100 x 55 mm
Weight:	280g

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Switchpack DSP 60/30

60 / 30 channel DMX switchpack - 12 - 230V ac at 300mA each

The DSP60 was originally conceived for the control of a 10 x 6 lamp matrix that was used for a show effect imitating the driving direction of a „spaceship turbo lift“. The DSP60 has now become part of our inventory and beside the lamp matrix, it can also be used for the control of installed contactors in theaters in order to directly switch on or off all supply circuits via DMX512. It is also possible to change the power supply from 12V up to 230V~ (includes dimming, with disabled zero cross) or to even change the supply to direct voltage (DC, on request). This considerably extends the application field of the DSP60.

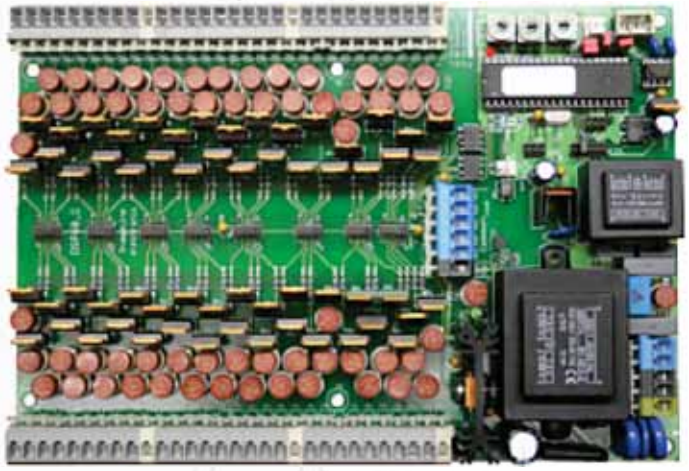

Image 1

The standard version of the DSP60 is the pcb as shown in image 1. But also custom-designed explanations are possible. See images - in cases made of steel: Image 2: with Harting plug-connectors. Image 3: with cable glands Instead of cable glands for DMX IN & OUT and power supply, Neutrik XLR and Neutrik PowerCon connectors are possible. The on board placed LED for power and DMX-signal as well as the code switches can be installed also into the case.

Features:

- DSP 60, steel case, cable gland
- 30 or 60 channels with 70W each at 230V
- zero-crossing control (switch off in use with Dimmer)
- indication of power and DMX signal, all channels with fuse
- decimal setting of DMX address via rotary switch or via optional external dual push-button code switch
- Switch position 000 for mute and test - 901..920 for manual output switch
- Other housings, cable mountings, connectors and switching voltages upon request.

Further advantages:
The the zero-crossing-switch, WAGO cage clamps of the load outputs and the connector for external code-switch. The maximum load is 70W per channel at 230V~. For other voltages, the current must not exceed 16A in total and 1A per channel.

Image 2

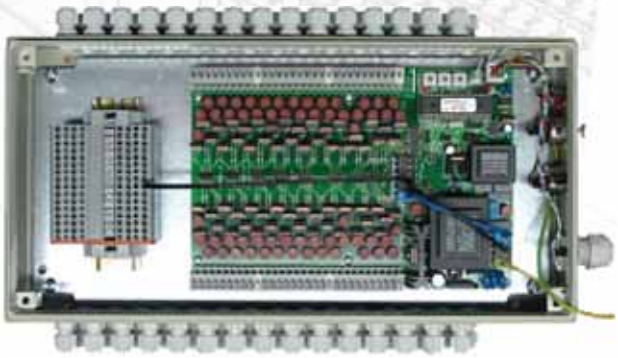

Image 3

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Demultiplexer DAC12A

DMX512 / MIDI / ASCII -> Demultiplexer for 12 analog channels and extensions

The DAC12A is the successor version of the DAC8. It is of the same size, but disposes of 12 analog 10V-outputs with an output voltage of 55mA individual load and 75mA total load. Serial number 02.048 and above have a total load of up to 100mA. Not only does it support the DMX512 protocol, but also the MIDI and RS232/422 interfaces. The plug-in of additional extension cards on the SPI port CN2 enables the installation and mixing of 192 digital / switch channels (96 channels with MIDI). Theoretically, the maximum number of channels can be reached upon adding further extension cards.

The DAC12A with its integrated power supply unit and supply filter is installed on a PC-board sized only 100 x 80mm. The code switches enable the setting of the DMX start addresses and to select one of the various operation modes like DMX, MIDI, ASCII and manual test modes. A ribbon cable enables the connection of external rotary switches or dual push-button code-switches.

Adapter PC-boards are available for the electronically correct installation of the implemented protocols MIDI and RS232/422.

Upon your request, we create individual solutions for digital extension cards, interfaces and protocols.

The main operation functions can be selected directly via jumper:

J1 HOLD VALUES or BLACK ALL in case of DMX512 failure
J2 selectable output curve, linear or logarithmic (i.e. control of fluorescent lights)
J3 5s 100% after activation for the premature ignition of electronic ballasts at low environmental temperatures
J4 determines minimum output voltage (factory setting 1V)
J5 enables the byte- or bit-mode control of extension outputs

Features:

- MIDI-, DMX-, and ASCII-control
- various extension cards
- also available: adapter PC-boards for MIDI and RS232/422
- internal power supply unit 230V~, with supply filter
- galvanic isolation between the various interfaces and the analog section (DMX512 according to DIN56930-2 / 4.2.3)
- three-digit DMX start address, decimal setting via rotary switch or via external dual push-button code-switch
- LED indication for operation status, DMX signal and additional external input
- various operation modes
- test mode

Technical data:

Size:	100 x 80 x 35mm
Weight:	approx. 280g
AC supply:	230V~, 50 - 60Hz, Pmax = 4.5W

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Demultiplexer DAC2X48/96

DMX512 – 48 / 96 Channel 0-10V Demultiplexer

The latest version of the DAC2X48/96 supports the following modes out of the planned Function range:

- Two DMX512 Lines , Neutrik 5pol XLR for input and through
- Alternatively with XLR5, XLR3, RJ45 plug connectors
- Two LEDs on front signalize a valid DMX512 signal
- Integrated Merger HTP between both DMX512 inputs
- LC- Grafikdisplay
- all 96 channel values displayable as bargraph, alternatively IN A or IN B or HTP result
- setup of the DMX512 start address
- Tip and turn wheel for selecting and scrolling through the menues
- 48 / 96 channels to 4x D-Sub 25pol, standard pinout (ch. 1-24, 25 GND)
- Output voltage : basic 0 bis +10V, on request up to 20V, +/-
- Output current : +/-10mA (source and sink capabillity)
- each output is selectable as source/sink or classic dimming (including a diode)
- Housing: Al silver anodized, 483 x 44 x 205 mm (19“, 1U)
- The DMX512 inputs are fully isolated against each other and the outputs
- Supply voltage : 100 to 240V~; 50-60Hz; 0,7A

Coming:

- Patcher to connect one output channel to any of the 1024 input channels
- Scroll through all input channels and show incoming values as decimal or percent
- store a snapshot of the DMX values and send them in case of DMX failure

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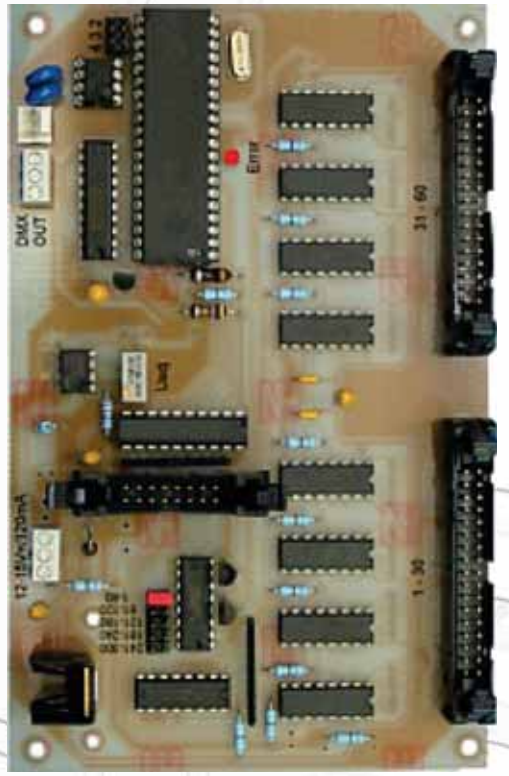
Multiplexer ADC60

60 to 300 channels 0 to +/- 10V to DMX512

The ADC60 / 300 transforms analog voltages, usually 0...+/-10V into the digital DMX512 protocol. The illustrated main PC-board is conceived for 60 channels and can be extended to up to 300 ! analog inputs by additional plug-ins.



In order to achieve this, the PC-boards are simply connected via a 14-pole bus line. The AC-input and the DMX512 output are only installed on the main PC-board.

The ADC60 PC-board was originally conceived for the retrofit installation into the ROLACUE lighting console by AVOLITES. But this PC-board is universal enough not only for the plug-in on lighting consoles, but also for the external use in subracks. Also available with integrated power supply unit as expandable 30 channel version. Image 2

Requirements of the PC-board ADC60:

- ADC60 / 0..+10V: +12..15V, 10 mA and +5V, 125mA (optionally with 5V voltage control)
- ADC60S / 0..-10V: -15V, 10mA and +5V, 125mA

Technical data:

Size:	100 x 160 mm
Weight:	about 100 g / NT-version about 330g

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DMX512 Splitter/ Booster/ Merger/ ReTimer ... SP218U-XL

8 way DMX512 Splitter & Booster with still more functions

The current versions of our approved SP218UXL are executed now in matt clear-anodized as all our 19" (483mm) equipment.

The SP218U-XL has two groups of modes. Subdivided into six Splitter/Booster and seven Merger modes. In Splitter/Booster mode one DMX512 universe can be be distributed and strengthened into eight outputs or two DMX512 universes into four outputs each.
All inputs and outputs are fully isolated against each other and ground lifted. ! IN A to Out 1 and IN B to Out 5 can be configured also differently.
In merger mode two universes are mixed to HTP (highest takes precendce or) LTP (last takes precedence). The result then reaches the Splitter/ Booster.
There is one special merger mode, that can block a DMX512 universe on IN B. To do this a preselected channel of IN A must reach a value of 60%.
The following Neutrik plug connectors stand by the choice. XLR 5pin, 3pin and RJ45.
To change the installation variants as necessary the design uses seperate 19" flanges.

New functions:

- A ReTimer to adjust DMX512 timing to one to three outputs.
- An adjustable merger start address and locking address to IN B.
- It is possible now to hold a direct connection between IN A and OUT 1 and IN B to OUT 5 after power is on. DMX512 THRU.
- Two DMX512 lines can be led about plug connector of Input A.
- Testfunktions for single channel check independent from Input signal.
- Record a cue for replay on DMX error. (in preparation).
- USB connector for viewing a DMX512 universe and different errors (option).

views of different installation variants, XLR 5, rearview, RJ45

Table of the modes

- Splitter & Booster 1 to 8 with mit accident switchover, IN A / B (no data processing)
- Splitter & Booster 2 lines to 4 out each (no data processing)
- active Splitter & Booster with defined behavior on input error (idle mode, hold value, ...)
- Merger, both inputs are combined by the HTP or LTP process.
- Merger LTP with / without hyteresis, aktion only at changes > 3 digit
- lock input B if channel 512 line A = 255* digit (adjustable), basic function A -HTP-B
- lock input B if channel 512 line A = 255* digit (adjustable), basic function A -LTP-B
- adjustable startaddress of Merger IN B
- * adjustable locking address
- ReTimer for DMX512 timing adjustments
- Testfunktions
- record a cue
- low delay, passive approx. 4µs, aktive max. 20ms

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RETIMER DMX512

DMX512 -> DMX512 with new settings for timing

The RETIMER is used for changing the maximum speed of the DMX signal or changing the timing of the varying DMX signal.

Problem is that a lot of fixtures have the label “DMX controlled” but they can’t handle the DMX signal optimal and error free.

The RETIMER let you change the inter-slot and inter-packet timing, which are giving in most of the cases the problem.

Inter-Slot time: (/ µs)

0 = 0µs	1 = 2µs	2 = 4µs
3 = 8µs	4 = 12µs	5 = 16µs
6 = 24µs	7 = 32µs	8 = 44µs
9 = 88µs		

Inter-Packet Time: (/ ms)

0 = 0ms	1 = 1ms	2 = 2ms
3 = 3ms	4 = 4ms	5 = 8ms
6 = 12ms	7 = 16ms	8 = 24ms
9 = 60ms		

Functions:

- 0 = Manual choice of the timings.
- 9 = testmode.
- 1-8: optional preset (not yet integrated.

Technical data:

Size:	200 x 110 x 57mm
Weight:	approx. 561g
AC supply:	100-240V~, 50 - 60Hz, Pmax = 5W

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Dimmer DDA2-XL

DMX512 – special dimmer for LED chains and LED filament light bulbs, 1000 watt per channel

The DDA2-XL is the latest version of the DDA2, a DIN-Rail mountable and DMX512 controlled 2x 1000W trailing edge dimmer. It is especially designed for LED Filament light bulbs and similar lamps for ac supply but also to use with all other incandescent light bulbs.

The new XL series got a short-circuit protection per channel and shows all information by LED on the front panel now.

Due to state-of-the-art circuit technology and the use of current technology components, the total power dissipation could be reduced to 7W @ 2000W load that no fan is necessary for cooling.

Especially for LED-Filament bulbs the DDA2-XL offers a start offset and an upper offset as well as different control characteristics (curves) for each of the 2 channels. This allows using the whole DMX512 range of value (0-255 digit) for dimming.

The DDA2-XL shows different states like power on, DMX512 signal, one LED per channel which shines proportional to the load output and two short circuit LEDs.

The DMX512 start address, test mode, the offset setup as well as the dimming curves are set by three rotary code switches and a DIP switch.

The DDA2-XL extends our product range of DIN rail mounting devices in installation cabinets.

Characteristics:

- 2-channel dimmer for LED chains and LED filament light bulbs.
- 2x 1000W, without fan.
- Dimming from 0 to 100%, no minimum load required.
- LED-Filament bulbs are dimmable over the whole DMX512 value range, by using adjustable start and limit values.
- Electronic short circuit protection per channel.
- Elevator screw terminals up to 2.5², for ac-supply, load and DMX IN/OUT.
- Colored cage clamp terminals for DMX512 IN and THRU
- DMX512 start address / test modes by rotary code Switches
- Dimensions (LxWxH): 160 x 90 (without locking clamp) x 80mm
- Weight: 450g

Audio Visual Lighting bvba
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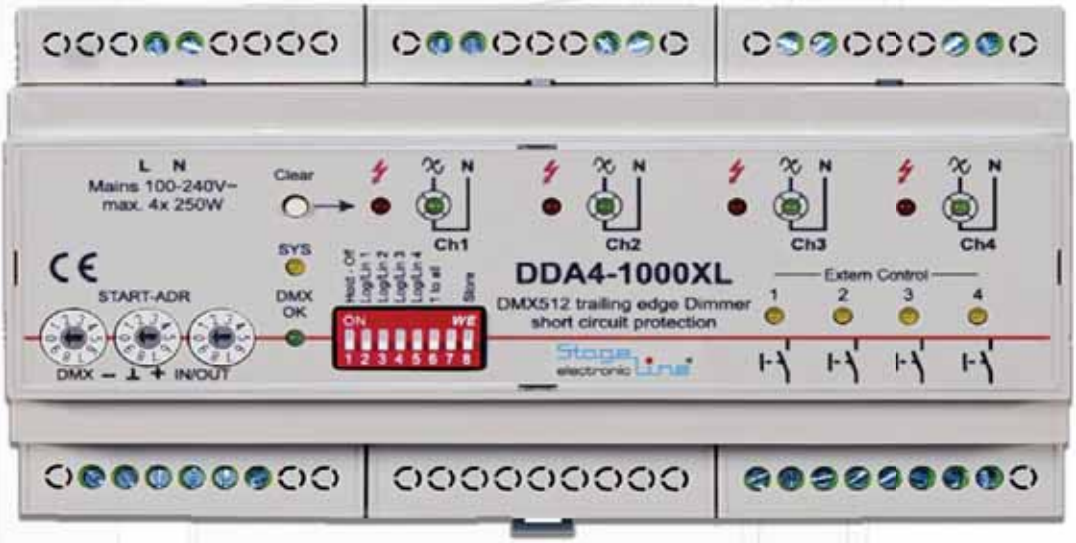
Dimmer DDA4-1000XL

DMX512 – special dimmer for LED chains and LED filament light bulbs, 250watt per channel



The DDA4-1000XL is the latest version of the DDA4-1000, a DIN-Rail mountable and DMX512 controlled 4x 250W trailing edge dimmer. It is especially designed for LED Filament light bulbs and similar lamps for ac supply but also to use with all other incandescent light bulbs.

The new XL series got a short-circuit protection per channel and has all control setting and displays on the front panel.

Due to state-of-the-art circuit technology and the use of current technology components, the total power dissipation could be reduced to 3,5W @ 1000W load that no external heatsink or fan becomes necessary.

Especially for LED-Filament bulbs the DDA4-1000XL offers a start offset and an upper offset as well as different control characteristics (curves) for each of the 4 channels. This allows using the whole DMX512 range of value (0-255 digit) for dimming.

The DDA4-1000XL shows different states like power on, DMX512 signal, one LED per channel which shines proportional to the load output and 4 short circuit LEDs.

DMX512 start address, test mode, the offset setup as well as the dimming curves are set by three rotary code switches and a DIP switch.

The DDA4-1000XL extends our product range of DIN rail mounting devices in installation cabinets.

Characteristics:

- 4-channel dimmer for LED chains and LED filament light bulbs.
- 4x 250W without external heatsink and fan
- Dimming from 0 to 100%, no minimum load required.
- LED-Filament bulbs are dimmable over the whole DMX512 value range, by using adjustable start and limit values.
- Electronic short circuit protection per channel.
- Elevator screw terminals up to 2.5², for ac-supply, load and DMX IN/OUT.
- DMX512 start address / test modes by rotary code switches.
- Dimensions (LxWxH): 160 x 90 (without locking clamp) x 64 mm
- Weight: 440g

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Audio DMX Player

The new DMX-512 protocol-controlled PX249 audio player.

The device can be controlled directly or with the use of any controller who uses the DMX-512 standard. The player can be setup with in four- or seven-channel DMX modes. The SD/SDHC card can be uploaded with up to 85 tracks in WAV format of any length, the only limitation is the capacity of the memory card.

Functions implemented by PX249 using DMX control: allow for playback, selection of a particular song, looping one and multiple tracks, smooth volume control, bass, treble and balance control. Additionally, there is a possibility to connect an external START/STOP button. Moreover, the menu of the device allows you to set the behaviour of the player if no DMX signal is present.

The unit is produced in a housing adapted for mounting on 35-millimeter DIN rail.

Technical Data

- DMX channels: 4 or 7ch. mode
- supported file formats: WAV
- sampling fequences: 48 kHz, 44.1 kHz, 32 kHz, 22,05 kHz, 16 kHz, 11,025 kHz, 8 kHz
- power bandwidth: 42Hz - 21kHz
- output connectors: terminal blocks
- voltage gain: 20dB
- max. midband power: 2 x 12W (for 4 Ohms load and 24V DC)
- load impedance: 4 or 8 Ohm
- power supply: 12-24V DC
- current consumption max.: 1,3 A
- dimensions: 105x86x60 mm

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