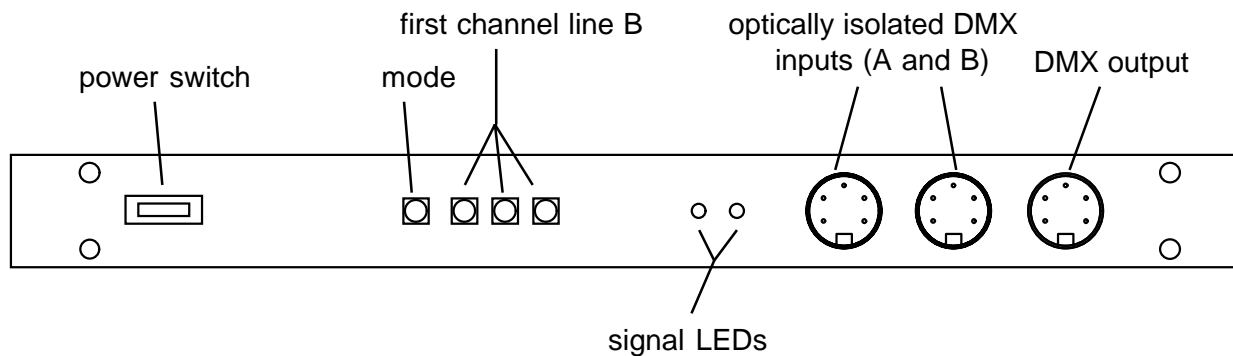


MA DMX MERGER

MA DMX MERGER enables you to "mix" two DMX signals into one DMX line.

This is necessary if only one DMX line is available, or for improvisation using several DMX components.

The DMX MERGER puts together two DMX lines by using the "Highest Takes Precedence" (mode 0) or the "Lowest Takes Precedence" (mode 1) principle. Input B line can be set to a startaddress (offset). Modes 3...9 correspond to mode 1, but have an additional function: If a DMX signal is missed, the last value will not be kept but it will be set to zero; mode 3 switches off after 0.5 sec, mode 9 after 5 sec.



FEATURES:

DMX IN:	Two each optically isolated DMX inputs, overvoltage protected
DMX OUT:	Links to other DMX equipment after merging line A and line B
INPUT A OFFSET:	First channel startaddress (input B), setting via rotary switches
SIGNAL IN A:	LED indicates valid data receipt line A
SIGNAL IN B:	LED indicates valid data receipt line A
MODE:	Optionally different modes (at time HTP and LoTP)

TECHNICAL DATA:

Mains supply:	230 VAC / 50 Hz or 110 VAC / 60 Hz (factory setting)
Signal input/output:	USITT DMX 512 (1990) via 5POL XLR
Pin layout:	Pin 1 = ground Pin 2 = data - Pin 3 = data +
Unit dimensions:	19 inch (483mm) / 1U (44,5mm)
W x H x D (mm):	435 x 42 x 170
Weight:	6.5 lbs (3,0 Kg)

Made in Germany

Safety Instructions:

1. Read all the instructions in the user's manual.
2. Keep the user's manual for later use.
3. Follow all the instructions on the unit.
4. Pull the plug before cleaning the unit; don't use any liquid or spray cleaner. Clean with a damp cloth.
5. Don't use the unit near water.
6. Don't put the unit on unstable tables etc.. It might fall down and get damaged.
7. There are slots in the case for aeration; don't cover these slots up because they guarantee the reliable use of the unit and protect it against overheating. Don't install the unit into a frame unless sufficient aeration is guaranteed.
8. The unit is provided with a safety plug. This plug can only be used with safety sockets. These safety measures should by all means be followed. In case the plug doesn't fit into the socket (e.g. with old sockets), the socket should be replaced by an electrician.
9. Don't put any objects on the wire and make sure nobody steps on it.
10. In case you use an extension wire make sure the sum of the power consumption of the connected units does not exceed the maximum power of the wire. The sum of the units plugged in the socket should not exceed 10 Ampere.
11. Don't spill any liquid over the unit. Don't put any objects through the slots of the unit, as these might get in contact with parts that are live or might cause short circuits. This may cause fires and shocks.
12. Don't service the unit yourself as parts that are live might be exposed when you open the case; you run the risk of getting shocked. All services should only be carried out by a specialist.
13. If one of the following conditions occurs, please pull the plug out and call the service:
 - A. Wire or plug is damaged or worn.
 - B. Liquid got into the unit.
 - C. The unit was exposed to rain or got damp.
 - D. The unit doesn't work properly even if you follow the instructions of the user's manual.
 - E. The unit fell down and the case was damaged.
14. Only use wires which are marked safety proof.
15. Don't use any high-power walkie-talkies near the unit.

DECLARATION OF CONFORMITY

according to guide lines 89/336 EWG and 92/31 EWG:

Name of producer: MA Lighting Technology GmbH
 Address of producer: Höhenweg 6 D-97249 Eisingen
declares that the product
 Name of product: MA Merger
 Type: MA Merger
answers the following product specifications:
 Safety: EN60065, VDE0860, IEC65
 prEN55103-1 (E1), EN50081-1
 EMV (EMC): prEN55103-2 (E2), EN50082-1

Additional informations: All DMX512 inputs and outputs must be shielded and the shielding must be connected to the ground of the corresponding plug.

Eisingen, 17.01.1995

Dipl. Ing. Michael Adenau