



SD-8 Signaldistributor for Pixelscreen/Mesh ORDERCODE 101419



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SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from DMT.

The DMT SD-8 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on DMT, for more excellent lighting products.

We design and manufacture professional light equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

For more information: iwant@dutchmediatools.info

You can get some of the best quality, best priced products on the market from DMT.

So next time, turn to DMT for more great lighting equipment.

Always get the best -- with DMT !

Thank you!



DMT SD-8 Signaldistributor for Pixelscreen-PixelMesh™ Product Guide

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Warning

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Unpacking Instructions

Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- 1x DMT SD-8
- User manual



WARNING



CAUTION!
Keep this device away from rain and moisture!



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

Safety Instructions

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



CAUTION! Be careful with your operations.
**With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!**



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Do not insert objects into air vents.
- Do not connect this device to a dimmerpack.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to deadly electrical shocks.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your DMT device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your DMT dealer for service.
- For adult use only. Device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- The user is responsible for correct positioning and operating of the SD-8. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

Operating Determinations

- This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.
- The maximum ambient temperature $t_a = 45^\circ\text{C}$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 45°C .
- If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.
- Any other operation may lead to dangers like short-circuit, burns, electric shock, crash etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

Connection with the Three Phase Power Network

Connect the device to the 3-phase Power Socket with a CEE-form power-plug. Always pay attention, that the right color cable is connected to the right place.

International	EU (including UK) From April 2004	Uk until April 2006	North America	Pin
L1	Brown	Red	Brown	Phase 1
L2	Black	Yellow	Orange	Phase 2
L3	Grey	Blue	Yellow	Phase 3
N	Blue	Black	White	Neutral
Ⓧ	Green/Yellow	Green/Yellow	Green	Protective Earth

Make sure that the device is always connected properly to the earth!



Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail offersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The SD-8 is a dedicated HUB which can work with all DMT Pixelscreens and Pixelmesh.

- It can work either as a splitter with 1 Input signal and 8 output signals or as a splitter for 2 Inputs and two times 4 outputs
- The SD-8 enlarges the reliability of your LED screen systems and makes cabling more easy
- It is not longer needed to connect all screens in one long daisy chain, but you can split them in multiple sections for an easier setup and user friendliness
- The SD-8 automatically switches between the 1 or 2 Input version depending on the number inputs giving to the SD-8
- Only Neutrik Ethercon connections ensuring reliable connections in any situation
- Up to 8 units can be used in cascade creating a HUB from 1 in up to 64 outputs
- A truly versatile and powerful tool for all professionals working with DMT Pixelscreens and Pixelmesh.
- Signal input:2 Ethercon(RJ45) A and B, Signal outputs:8Ethercon(RJ45)
- Power: Powercon
- Operating mode: Automatic detection between 1*9 and 2*4 configuration.
- Lighted power switch on the back panel
- LED indicators on the back panel: 2 power(red) signal A present (green),1 signal B present(green)
- Port mapping: Software-based
- Cooling: Active
- Power consumption: 65 watts
- Input voltage: 85-264 volts,47-63Hz auto switching
- Dimensions: 48cm*26.8cm*4.4cm (1U, Standard rack size)
- Weight: 4.5Kg

Overview

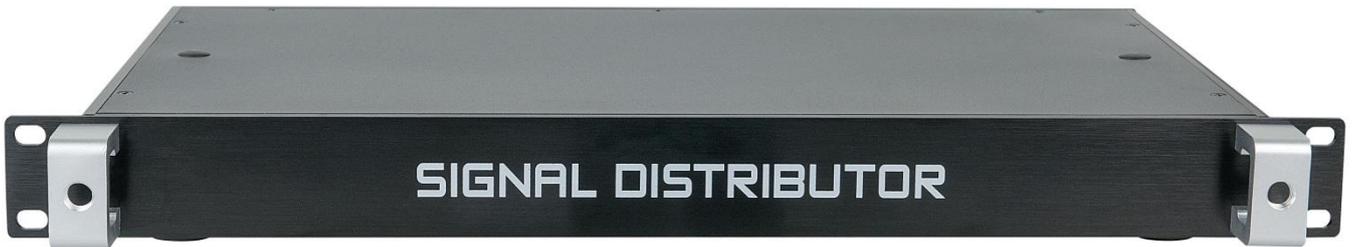


Fig. 1

Backside



Fig. 2

- 1) 4x Cat 5 Output (A1, A2, A3, A4)
- 2) Green Signal LED and Red Power LED for Input 1
- 3) 2x Input from Sendercard
- 4) Green Signal LED and Red Power LED for Input 2
- 5) 4x Cat 5 Output (A5/B1, A6/B2, A7/B3, A8/B4)
- 6) ON/OFF
- 7) Blue Powercon IN
- 8) Grey Powercon OUT

Installation

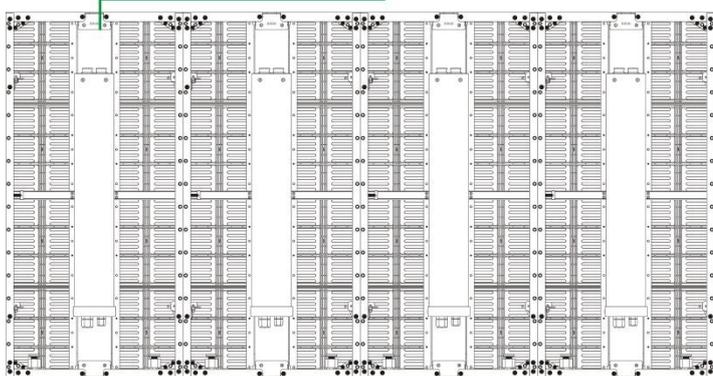
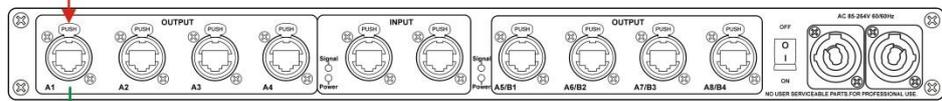
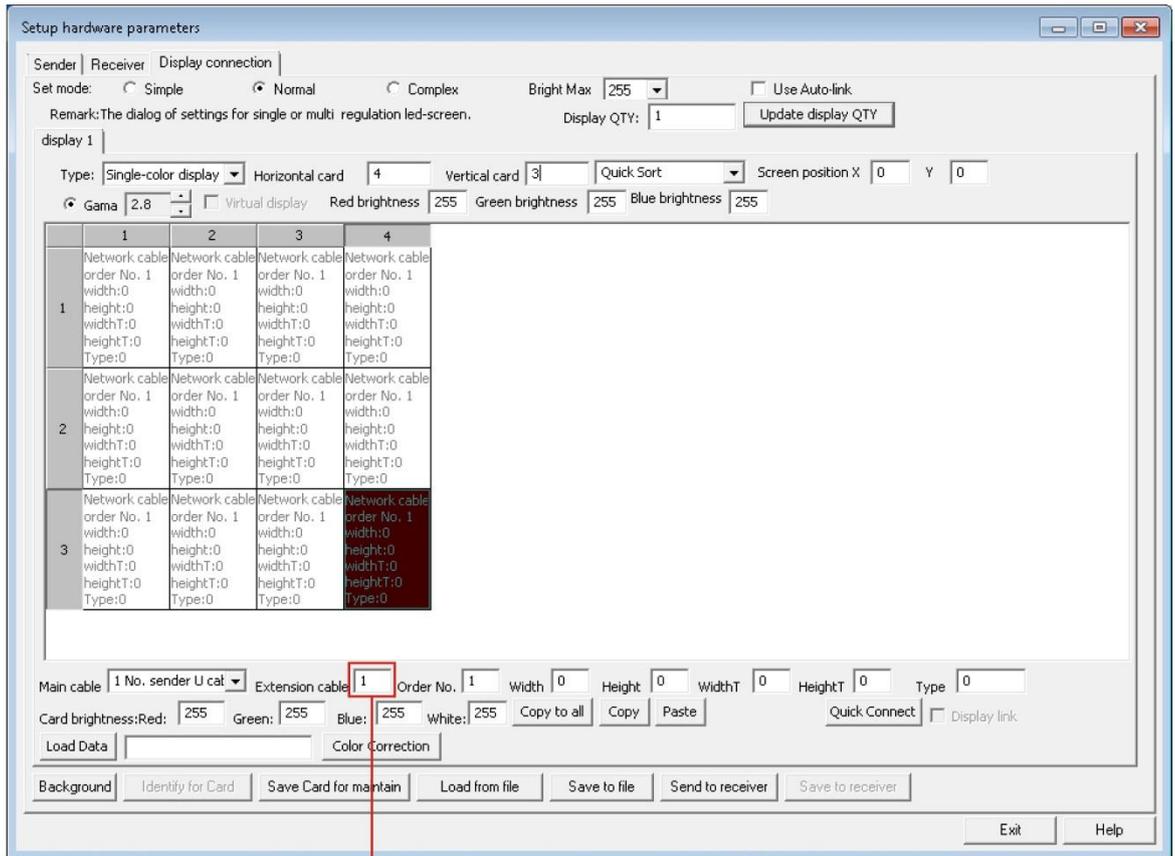
Remove all packing materials from the SD-8. Check that all foam and plastic padding is removed. Connect all cables.

Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

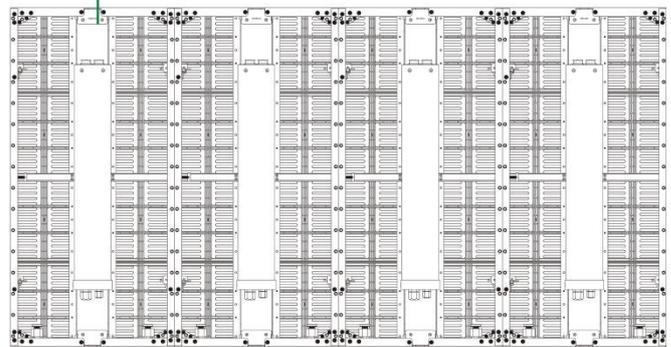
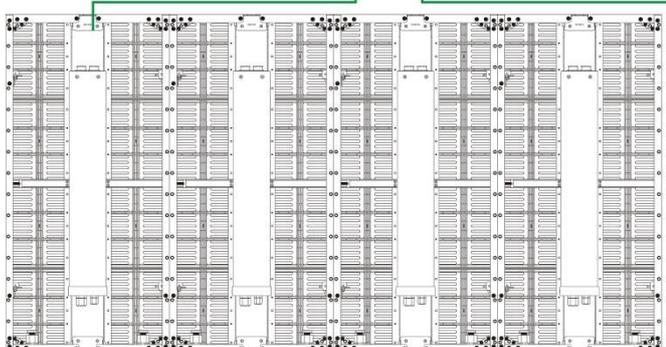
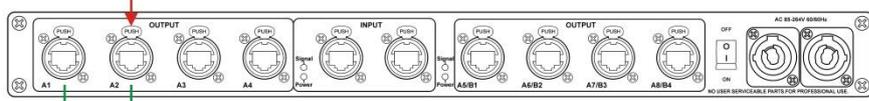
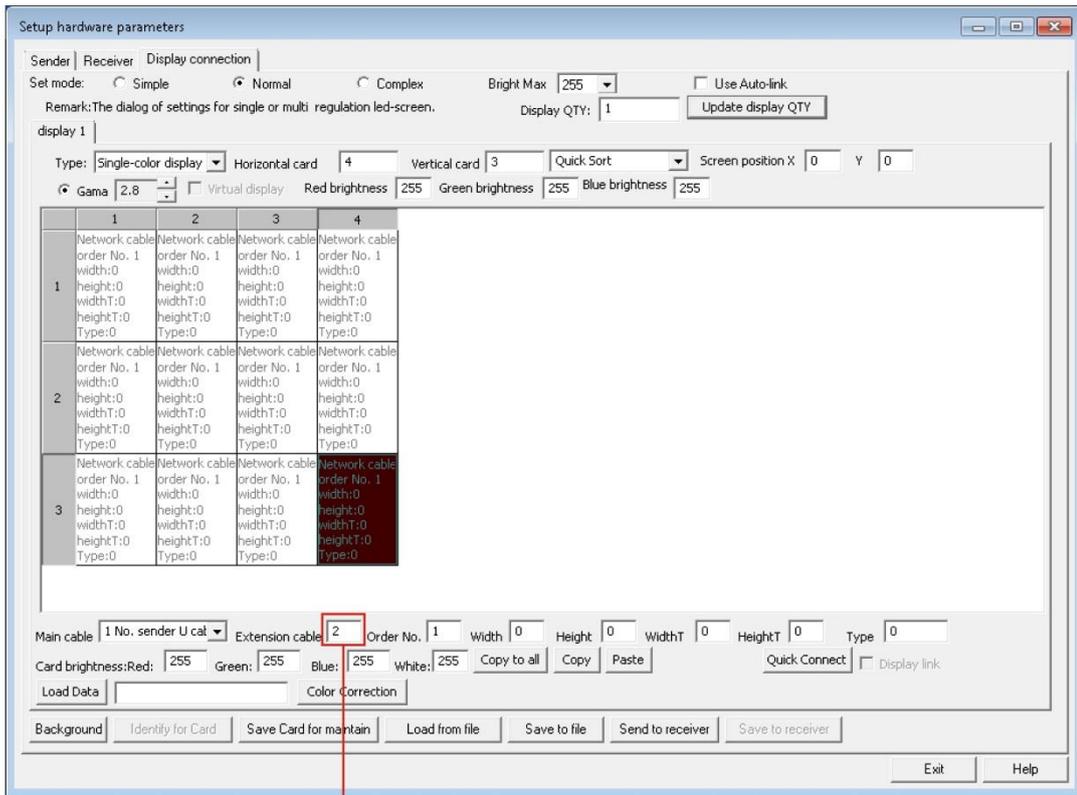
Set Up and Operation

- Always check the mains voltage before connecting the unit.

Set Up Example 1 Port



Set Up Example 2 Ports



Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every year in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

We strongly advice you to let a qualified technician give the unit a maintenance check twice a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The DMT SD-8 requires almost no maintenance. However, you should keep the unit clean.

1. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.
2. Please clean internal components twice a year with a light brush and vacuum cleaner.
3. Keep connections clean. Disconnect electric power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.
4. Check and tighten all screws. Especially the screw terminals.
5. The electric power supply cables must not show any damages or material fatigue.

Troubleshooting

DMT SD-8

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check power from the wall, all cables, the fuse, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If nothing happens after 30 seconds, unplug the device.
5. Return the device to your DMT dealer.

Product Specification

Model: DMT SD-8 Signaldistributor for Pixelscreen-PixelMesh

- It can work either as a splitter with 1 Input signal and 8 output signals or as a splitter for 2 Inputs and two times 4 outputs
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- Weight: 4.5Kg



Design and product specifications are subject to change without prior notice.



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DUTCH MEDIA TOOLS

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