



NetBox 115

INSTRUCTION MANUAL

**FOR YOUR OWN SAFETY, PLEASE READ THIS INSTRUCTION MANUAL
CAREFULLY BEFORE YOU INITIALLY START-UP**







ENGLISH

NETBOX MS - USER INSTRUCTION

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1. In the box

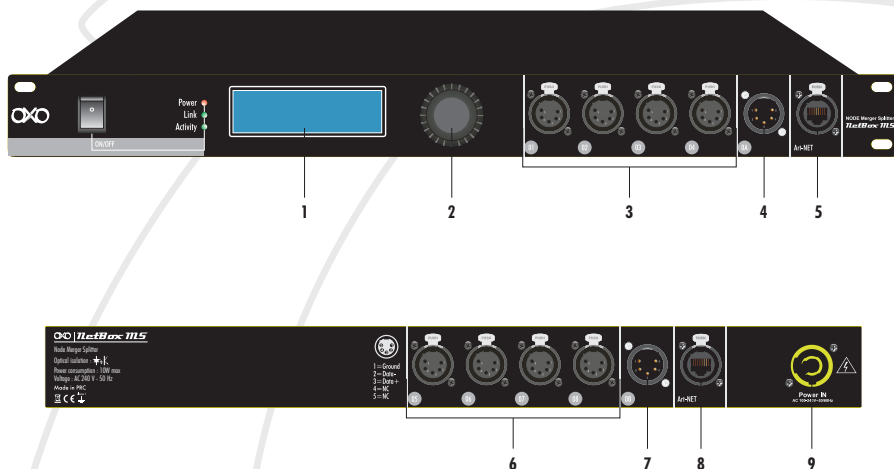
- 1 NetBox MS
- 1 PowerCON TRUE1 cable
- 1 Instruction Manual

2. Instructions

WARNING

- Read the instruction in this manual carefully and thoroughly, as they give important information regarding safety during use and maintenance. Keep this manual with the unit, in order to consult it in the future. If the unit is sold or given to another operator, make certain that it always has its manual, to enable the new owner to read about its operation and relative instructions.
- To prevent fire or shock hazard, do not expose this product under a high temperature.
- Take care not to damage the power cord.
- After having removed the packaging check that the unit is NOT damaged in any way.
- If in doubt, DON'T use it and contact an authorized dealer.
- NEVER use the unit under the following conditions:
 - In places subject to vibrations or bumps.
 - In places with a temperature of over 40 °C or less than 0 °C.
- DO NOT open the unit-there are no user serviceable parts inside.
- NEVER try to repair the unit yourself. Repairs by unqualified people could cause damage or faulty operation. Contact your nearest dealer.
- Wait for at least one second to turn on the power after turning off this unit.
- Packaging material (plastic bags, polystyrene foam, nails, etc.) MUST NOT be left within children's reach, as it can be dangerous.
- STOP using the unit immediately In the event of serious operation problems and either contact your local dealer for a check or contact us directly.
- DO NOT dismantle or modify the unit.
- If in doubt, DON'T use it and contact an authorized dealer.
- This unit must only be operated by adults. DO NOT allow children to tamper or play with it.

3. Overview



1. LED Display

2. Jog wheel

3. DMX OUT Front 1 to 4 (XLR 5 Female)

4. DMX IN Front A (XLR5 Male)

5. Art-NET (RJ45)

6. DMX OUT Back 5 to 8 (XLR5 Female)

7. DMX IN Back B (XLR5 Male)

8. Art-NET (RJ45)

9. Power supply IN (powerCON TRUE1)

4. Operation guide

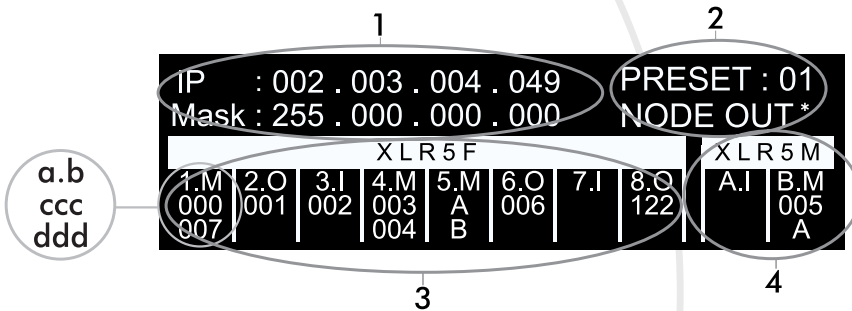
A-Feature

The NetBox MS is an ArtNet / DMX tool, it allows you to manage DMX to ArtNet and ArtNet to DMX data.

The Netbox MS is provide with easy to use presets, those presets are made for non-specialist user and change all the configuration of the Netbox MS to go from Node to Merger or splitter in one step.

Furthermore, the Netbox MS have an advanced mode to modified every output and input in the way you need it.

B- Default Display



1 - IP address and IP Mask of the product

2 - Active preset, if there is a "*" near the name of the preset this mean the preset have been modified in advanced menu.

3 - State of XLR5F

a.b	a = Port number : from 1 to 8	b = State of port number : O = Output / I = Input / M = Merge / X = Disable
ccc	ccc = 1st port (could be from artnet = 000 to 255 or DMX = A or B or Disable = Left blank)	
ddd	ddd = 2nd port (could be from artnet = 000 to 255 or DMX = A or B or Disable = Left blank)	

4 - State of XLR5M

a.b	a = Port number : A or B	b = State of port number : O = Output / I = Input / M = Merge / X = Disable
ccc	ccc = 1st port (could be from artnet = 000 to 255 or DMX = A or B or Disable = Left blank)	
ddd	ddd = 2nd port (could be from artnet = 000 to 255 or DMX = A or B or Disable = Left blank)	

C- MENU PRESENTATION

1 NETBOX PRESET

>01 - NODE OUT
>EXIT
>SAVE and EXIT

2 IP CONFIGURATION

IP : 002.003.004.049
Mask : 255.000.000.000
>EXIT
>SAVE and EXIT

3 NETBOX ADVANCED CONFIGURATION

>PORT : 01
>MODE : INPUT

3.1 INPUT CONFIGURATION

>SENT TO : ARTNET 000
>EXIT
>SAVE and EXIT

3.2 OUTPUT CONFIGURATION

>FROM : ARTNET 000
>EXIT
>SAVE and EXIT

3.3 MERGE CONFIGURATION

>1st FROM : ARTNET 000 / 2nd FROM : ART NET 000
>MODE : HTP
>RESENT TO ARTNET : 000
>EXIT
>SAVE and EXIT

3.4 DISABLE CONFIGURATION

>DISABLE : NO
>EXIT
>SAVE and EXIT

>RECORD TO CUSTOM : NO
>EXIT
>SAVE and EXIT

4 SETTINGS

>TIME BEFORE AUTOLOCK : NO AUTOLOCK
>DMX OUT FRAME RATE : NORMAL
>CONTRAST : 01
>EXIT
>SAVE and EXIT

5 RESET / UPDATE

>RESTORE DEFAULT SETTINGS ? : NO
>UPDATE MODE : NO
>EXIT

D- NAVIGATION THRU MENU

From default menu, if you turn jog wheel nothing happened, to enter menu you need to push the jog wheel first.

When you are in the menu, turn the jog wheel to navigate thru menu.

Once you have chosen your desired menu, press the jog wheel to open the desired menu. To return to the previous step you have to choose «Exit» in the menu.

E – FEATURES

1 NETBOX PRESET

This menu allows you to change the full configuration of the Netbox MS from Node to Splitter or Merger in one step. You have 12 pre-programmed presets and 4 customisable presets. See next topic to have detailed list of those presets.

2 IP CONFIGURATION

You could change IP and Mask of the Netbox MS in this Menu. Mask data could only reach 000 OR 255 values.

3 NETBOX ADVANCED CONFIGURATION

This menu allows you to change all states of each DMX port of the Netbox MS.

>PORT : 01

To choose wich port you want to modify from Out 01 to 08 or Input 0A or 0B

>MODE : INPUT

To Choose in wich mode you will use the selected port : INPUT, OUTPUT, MERGE or DISABLE

If you choose INPUT you will have access to the following menu :

3.1 INPUT CONFIGURATION

>SENT TO : ARTNET 000

You could choose here in which Artnet universe or DMX port you want to send the selected DMX port from universe 000 to 255 or DMX 01 to 08

If you choose OUTPUT you will have access to the following menu :

3.2 OUTPUT CONFIGURATION

>FROM : ARTNET 000

You could choose here which Artnet universe you want to send out thru the selected DMX port from universe 000 to 255.

If you choose MERGE you will have access to the following menu :

3.3 MERGE CONFIGURATION

>1st FROM : ARTNET 000 / 2nd FROM : DMX A

You choose here the two Input you want to merge. Input could be Artnet universe or DMX

Input from universe 000 to 255 or DMX 0A or 0B. The order is important for Priority mode but do not change anything in HTP or LoTP mode.

>MODE : HTP / LoTP / Priority

HTP : The Highest value take precedence.

LoPT : The Lowest value take precedence.

Priority : If the first universe is available then it take precedence on the second, else if the first is not available the second one take precedence.

>RESENT TO ARTNET : 000

You could choose here to resend into an Artnet universe the universe you just create on the selected port from universe 000 to 255.

Be carefull, there is a limitation, you could not use the resend universe with another port.

If you choose DISABLE you will have access to the following menu :

3.4 DISABLE CONFIGURATION

>DISABLE : NO

>RECORD TO CUSTOM : NO

As soon as modify some port state in the advanced menu you could record your configuration in your own custom preset. There is 4 customs preset available.

4 SETTINGS

>TIME BEFORE AUTOLOCK : NO AUTOLOCK

Choose if you want to autolock the Netbox MS to avoid unintentional change, only two possibilities No Autolock or after 30s.

>DMX OUT FRAME RATE : NORMAL

By default (Normal) the Netbox MS transmit data at the same frame rate it receive it, if you have trouble with frame rate you could force it to 40 ms. Only two possibilities Normal or Slow.

>CONTRAST : 01

Change the contrast of the screen from 1 to 15

5 RESET / UPDATE

>RESTORE DEFAULT SETTINGS ? : NO

To restore default setting, this will erase customs preset

>UPDATE MODE : NO

To update the product, you need a TBOX G2 and a male/male XLR5 adaptor to do this using port 01.

F- PRESET DESCRIPTION

>01 - NODE OUT => ARTNET to DMX 01 – 08	
Port 01	Output / 000
Port 02	Output / 001
Port 03	Output / 002
Port 04	Output / 003
Port 05	Output / 004
Port 06	Output / 005
Port 07	Output / 006
Port 08	Output / 007
Port 0A	Disable
Port 0B	Disable

>02 - NODE IN => DMX 0A and DMX 0B to ARTNET 000 and 001	
Port 01	Disable
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / 000
Port 0B	Input / 001

>03 - SPLITTER 1 =>DMX A0 to DMX 01 - 08	
Port 01	Output / DMX 0A
Port 02	Output / DMX 0A
Port 03	Output / DMX 0A
Port 04	Output / DMX 0A
Port 05	Output / DMX 0A
Port 06	Output / DMX 0A
Port 07	Output / DMX 0A
Port 08	Output / DMX 0A
Port 0A	Input / DMX
Port 0B	Disable

>04 - SPLITTER 2 => DMX 0A to DMX 01 - 04 + DMX 0B to DMX 05 to 08	
Port 01	Output / DMX 0A
Port 02	Output / DMX 0A
Port 03	Output / DMX 0A
Port 04	Output / DMX 0A
Port 05	Output / DMX 0B
Port 06	Output / DMX 0B
Port 07	Output / DMX 0B
Port 08	Output / DMX 0B
Port 0A	Input / DMX
Port 0B	Input / DMX

>05 - MERGER => DMX 0A and DMX 0B to DMX 01	
Port 01	Merge / 1rst : DMX 0A / 2nd : DMX 0B / HTP / NO Resend
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>06 - MERGER 2 => ARTNET 000 and DMX 0A to DMX 01	
Port 01	Merge / 1rst : ARTNET 000 / 2nd : DMX 0A / HTP / NO Resend
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Disable

>07 - MERGER 3 => DMX 0A and DMX 0B to ARTNET 000	
Port 01	Merge / 1rst DMX 0A & DMX 0B / HTP / Resend 000
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>08 - MERGER 4 =>ARTNET 000 and DMX 0A to ARTNET 001	
Port 01	Merge / 1rst : DMX 0A / 2nd : ARTNET 000 / HTP / Resend 001
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Disable

>09 - BACKUP 1 => DMX 0A and DMX 0B to DMX 01	
Port 01	Merge / 1rst : DMX 0A / 2nd : DMX 0B / Priority / NO Resend
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>10 - BACKUP 2 => ARTNET 000 and DMX 0A to DMX 01	
Port 01	Merge / 1rst : ARTNET 001 / 2nd : DMX 0A / Priority / NO Resend
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>11 - BACKUP 3 => DMX 0A and DMX 0B to ARTNET 000	
Port 01	Merge / DMX 0A & DMX 0B / Priority / Resend 000
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>12 - BACKUP 4 => ARTNET 000 and DMX 0A to ARTNET 001	
Port 01	Merge / ARTNET 000 & DMX 0A / Priority / Resend 001
Port 02	Disable
Port 03	Disable
Port 04	Disable
Port 05	Disable
Port 06	Disable
Port 07	Disable
Port 08	Disable
Port 0A	Input / DMX
Port 0B	Input / DMX

>13 – CUSTOM 01	
Port 01	xxx
Port 02	xxx
Port 03	xxx
Port 04	xxx
Port 05	xxx
Port 06	xxx
Port 07	xxx
Port 08	xxx
Port 0A	xxx
Port 0B	xxx

>14 – CUSTOM 02	
Port 01	xxx
Port 02	xxx
Port 03	xxx
Port 04	xxx
Port 05	xxx
Port 06	xxx
Port 07	xxx
Port 08	xxx
Port 0A	xxx
Port 0B	xxx

>15 – CUSTOM 03	
Port 01	xxx
Port 02	xxx
Port 03	xxx
Port 04	xxx
Port 05	xxx
Port 06	xxx
Port 07	xxx
Port 08	xxx
Port 0A	xxx
Port 0B	xxx

>16 – CUSTOM 04	
Port 01	xxx
Port 02	xxx
Port 03	xxx
Port 04	xxx
Port 05	xxx
Port 06	xxx
Port 07	xxx
Port 08	xxx
Port 0A	xxx
Port 0B	xxx

5. Technical data

Voltage	AC100-240V, 47/63Hz (Auto-ranging)
Power Consumption	40 W max
Control	DMX 512 / Artnet 3
IP Grade	IP20
Working Temperature	0-40°C
Product dimension	44 x 482 x 123 mm
Product weight	2.00 kg

6. Dimensions

