

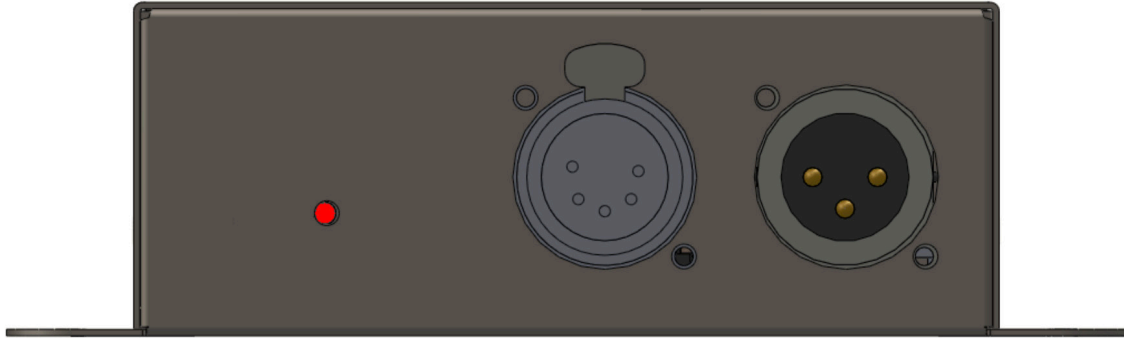


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MOS - UNO - IP

MANUAL



Status indication, white or red

Mika microphone input

Microphone output



Ethernet network connection SUB-D 9 GPI input

Power supply: 12 till 24 volt DC,
polarity is not important.
Power consumption at 12 volts:
100mA, at 24 volts 70mA



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GPI control:

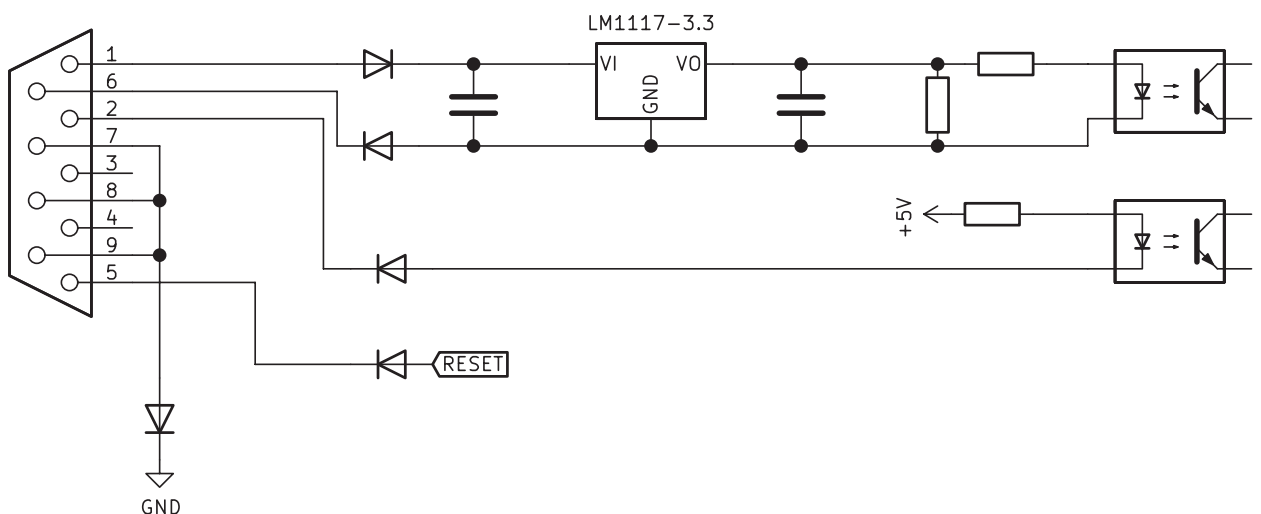
Pin	Function	Signal
1	GPI voltage control	+5 till +15 volt DC
2	GPI close contact to GND	Contact to pin 7,8 of 9
3		
4		
5	RESET settings	Contact to pin 7,8 of 9
6	GND GPI voltage control	
7	GND switch contact	
8	GND switch contact	
9	GND switch contact	

Settings: through internal webpage, default IP address 192.168.0.101

Reset settings to factory default:

- Power off the MOS-UNO-IP
- Connect Pin 5 to pin 7,8 or 9
- Power on the MOS-UNO-IP and wait for 5 seconds, during boot the status LED will blink fast in red. After the reset boot the status LED will turn white and factory default settings are restored. The MOS-UNO-IP can be reached at 192.168.0.101 again.

GPI schematic:

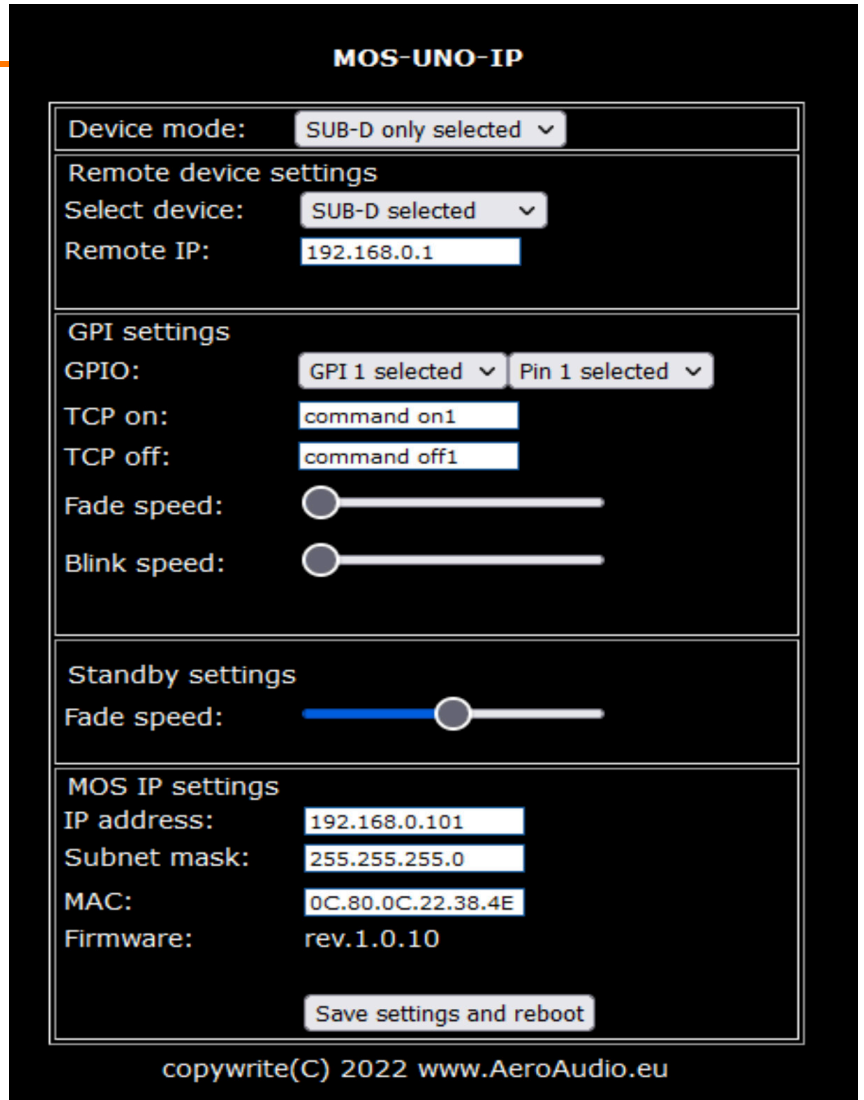


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Network access

The MOS-UNO-IP settings can be adjusted using a standard webbrowser. The factory default IP address is set to: 192.168.0.101 using subnetmask: 255.255.255.0. Enter the IP address in your browser and the MOS-UNO-IP will display the following settings page:

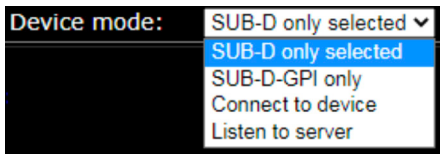


The screenshot shows the MOS-UNO-IP settings page with the following sections:

- Device mode:** SUB-D only selected (dropdown)
- Remote device settings:** Select device: SUB-D selected (dropdown), Remote IP: 192.168.0.1 (text input)
- GPI settings:** GPIO: GPI 1 selected (dropdown), Pin 1 selected (dropdown), TCP on: command on1 (text input), TCP off: command off1 (text input), Fade speed: slider, Blink speed: slider
- Standby settings:** Fade speed: slider
- MOS IP settings:** IP address: 192.168.0.101 (text input), Subnet mask: 255.255.255.0 (text input), MAC: 0C.80.0C.22.38.4E (text input), Firmware: rev.1.0.10 (text input)

At the bottom, there is a "Save settings and reboot" button and a copyright notice: "copywrite(C) 2022 www.AeroAudio.eu".

Device mode



The screenshot shows the "Device mode" dropdown menu with the following options:

- SUB-D only selected (selected)
- SUB-D-GPI only
- Connect to device
- Listen to server

Mode:	Discription:
"" selected	Current settings
SUB-D-GPI only	Triggers only on SUB-D GPI
Connect to device	Connects to an Axia node or QOR
Listen to server	Triggers on TCP commands

Connect to device connects directly to an Axia node or QOR.

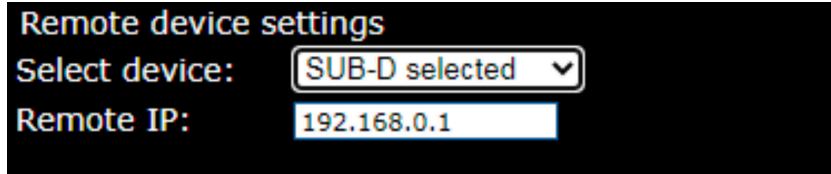
Listen to server listens to TCP commands send from an external TCP server like Axia pathfinder to the MOS-UNO-IP on port 93.



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Remote device settings



Remote device settings
 Select device: SUB-D selected
 Remote IP: 192.168.0.1

Device:	Discription:
"" selected	Current setting
SUB-D only	Triggers only on SUB-D GPI
Axia Node	Connects to an Axia node
Axia QOR (16-32)	Connects to an Axia QOR-16 or QOR-32
DHD global logic	Listens to DHD global logics

Axia node:

Connects directly to the remote IP of an Axia node.

Axia QOR (16-32):

Connects directly to the remote IP of an Axia QOR-16 or QOR-32

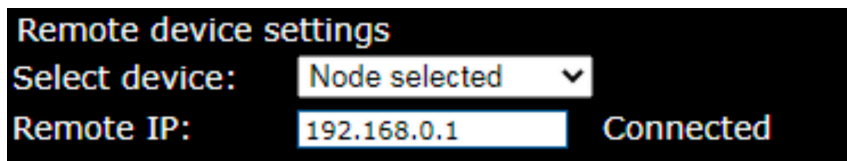
On using GPI or GPO contacts on the QOR to trigger the MOS-UNO-IP, select Node as device.

On using the Axia livewire software driver the Node needs to be selected as device.

DHD global logics:

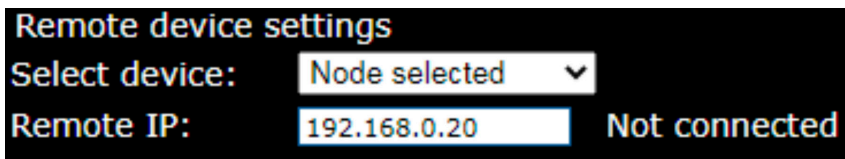
Listens to DHD global logics. Enter the DHD Toolbox project ID in the field of TCP command 1. Enter the used global logic number (1 – 200) in the field of TCP command 2. See GPI settings for details.

The webpage of the MOS-UNO-IP shows the connection status:



Remote device settings
 Select device: Node selected
 Remote IP: 192.168.0.1 Connected

When a connection to a node or QOR has been disconnected the MOS-UNO-IP will try to reconnect. On a longer connection timeout the webpage will show the link has been disconnected. To restore the connection the MOS-UNO-IP has to be rebooted.



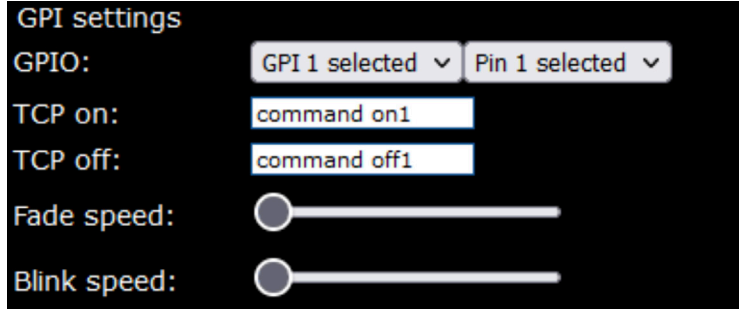
Remote device settings
 Select device: Node selected
 Remote IP: 192.168.0.20 Not connected



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GPI settings



Here the default GPI settings can be adjusted. For GPI only, the TCP commands are not used.

For an Axia node the GPI or GPO can be selected with the corresponding pin where the color RED will be activated. GPI I – 8, GPO I – 8 and Pin I-5.

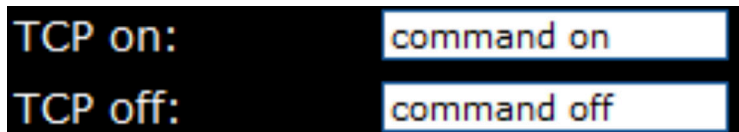
For an Axia QOR the name of the fader channel needs to be entered in the TCP I field. For example Mic-DJ or Mic I. The name entered here has to correspond exactly to the name used in the QOR and is case sensitive.

On change of a show profile on the Axia desk from example fader 1 to fader 3 the MOS-UNO-IP will follow the change.

On first installation or reboot of the MOS-UNO-IP a show profile has to be loaded to let the MOS-UNO-IP know the corresponding fader channel.

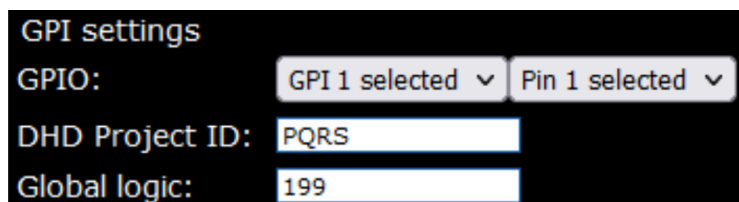
GPIO, Pin and TCP off settings are not used when the QOR has been selected.

On choosing listen to server the MOS-UNO-IP will only listen on TCP port93 to commands directly send to the IP address of the MOS-UNO-IP. To activate or deactivate the red light, the send command has to exactly match the commands in TCP on and TCP off. These commands are case sensitive.



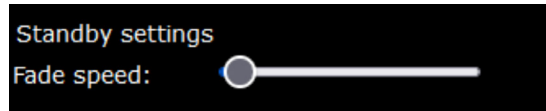
The MOS-UNO-IP uses standard ASCII characters for the TCP commands. To test a command a simple freeware program like packet sender can be used.

On the use of DHD global logics the name of TCP on and off will change After saving settings.



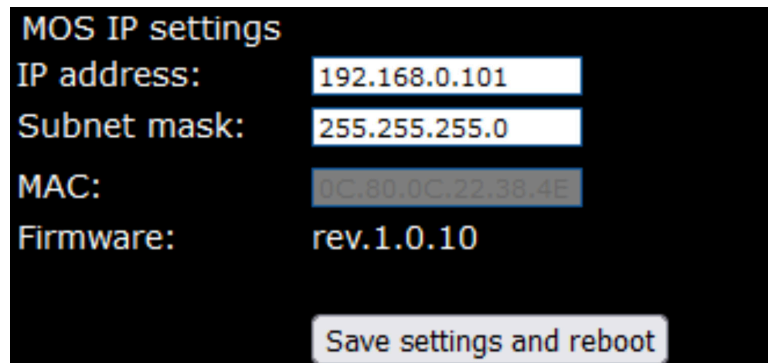

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Standby settings



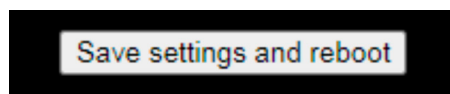
When there is no GPI active, the Mika arm LED will turn white. By default it is set to fade slowly. To deactivate fading put the fade speed fully to the left.

IP settings



Here the IP address with the corresponding subnet mask can be set. The MAC address is unique for each device and can not be changed. The firmware shows the currently running firmware version of the device.

Save settings



After setting all system parameters these settings have to be saved. To save all settings click save and reboot. The MOS-UNO-IP will store all settings and reboot. After approximately 5 seconds the webpage can be reloaded.





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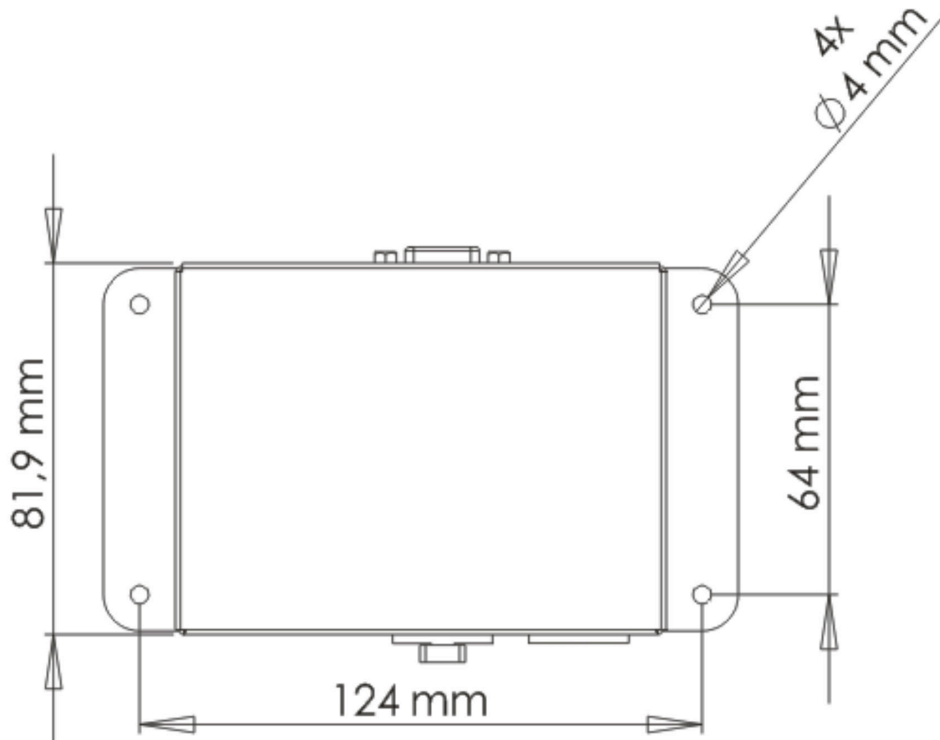
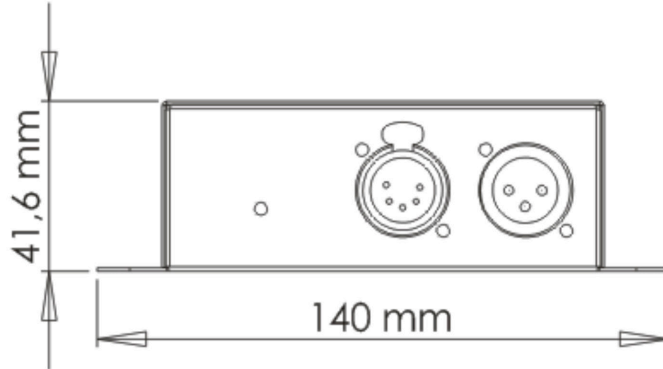
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Dimensions

Dimensions: 140 * 81,9 * 41,6 mm

Weight 0,35 Kg



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Safety First!

- Caution: hot and sharp surfaces ! This professional device should only be installed by qualified personnel.
- Check the cardboard box for any damage upon receipt of the goods. In case of a damaged box, please contact your distributor contact your distributor before opening the box.
- Read all documentation before using the unit.
- Keep all documentation for future use.
- Keep the box and packing materials even if the equipment has arrived in good condition.
- Should you ever need to ship the equipment, use only the original factory packaging.
- Do not spill water or other liquids in or on the unit.
- Always use the power supply provided.
- Make sure the outlets match the power requirements listed on the back of the power supply.
- Do not use the unit if the power cord is frayed or broken.
- Turn off and disconnect the devices from the power supply before making any connections.
- Do not use the unit near heaters, heating vents, radiators, or other devices that produce heat.
- Do not use the unit on a surface or in an environment that may interfere with the normal flow of air around the unit.
If the unit is used in an extremely dusty or smoky environment, the unit should be "dusted" periodically.
- Do not remove the cover. Removing the cover will expose you to potentially dangerous volt voltages.
- In case of malfunction, this unit should only be serviced by qualified service personnel.
- Always follow the instructions of the supplier and manufacturer - Use only manufacturer specified accessories, spare and replacement parts.
- Use the device only for the application the manufacturer intended.



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