

ADPRO® FastTrace™ 2 Hybrid Ethernet I/O Unit

Net I/O module

Features

Unit, with LED indicators, contact inputs and relay outputs, controlled by the ADPRO FastTrace 2 Hybrid video recorder. The unit is controlled by the host system through the Ethernet network (for 10 Mbps network only).

The base unit offers:

- 3 LED indicators (red: recording / yellow: fault / green: power supply)
- 4 voltage-free contact inputs (default = NO)
- 4 relays (voltage free switchover contacts) each with status LED

The base unit is:

- mounted on DIN rail
- extendible with one to three extension units. Extension units are powered from the base unit. Each offers 4 additional contact inputs and 4 relay outputs
- powered by a local adapter (12 VDC; 800 mA) or by a PoE switch or injector.

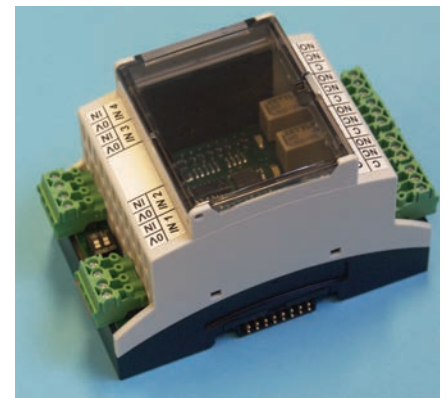
Specifications – Base Unit

| | |
|---|--|
| Power supply - Voltage - Current | (use 12 V / 800 mA adapter or PoE ** switch/injector) <ul style="list-style-type: none">• 12 V +/- 10%• 190 mA max. (all LEDs and relays activated)• 140 mA (all relays off) |
| Inputs | 4 voltage free contact inputs, NO or NC (NO by default) |
| Outputs | 4 switchover relay contacts (NC/C/NO), rated 30VDC @ 1A |
| Dimensions | 72 mm x 89.7 mm x 62.2 mm |
| Operating temperature | 0 ~ 40°C |
| Relative humidity | 95% (non condensing) |
| Straps | SW1: shorted temporarily to reset (internal use) (default = open) SW2: load software if pins are shorted (internal use) (default = open) SW4: load standard settings (default = open): shunt SW4, shorten SW1 (reset) and remove shunt |
| LEDs | D9: ON = Video system is powered D11: ON = Video system in error state D10: ON = Video system is currently recording D18: ON = relay K1 activated D19: ON = relay K2 activated D20: ON = relay K3 activated D21: ON = relay K4 activated |

** PoE = Power over Ethernet



Base unit



Extension unit

Ordering Information

Please use these order numbers to place your order with Xtralis:

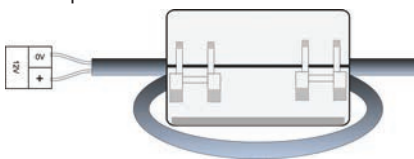
| | |
|----------------|----------|
| Base unit | 49841000 |
| Extension unit | 49841010 |

Specifications – Extension Unit

| | |
|---|---|
| Power supply - Voltage - Current | (powered by base unit or PoE switch/injector) • 12 V +/- 10% • 50 mA max. (all LEDs and relays activated) 10 mA (all relays off) |
| Inputs | 4 voltage free contact inputs, NO or NC (NO by default) |
| Outputs | 4 switchover relay contacts (NC/C/NO), rated 30 VDC @ 1A |
| Dimensions | 54 mm x 89.7 mm x 62.2 mm |
| Operating temperature | 0 ~ 40°C |
| Relative humidity | 95% (non condensing) |
| LEDs | D18: ON= relay K5 activated D19: ON= relay K6 activated D20: ON= relay K7 activated D21: ON= relay K8 activated |

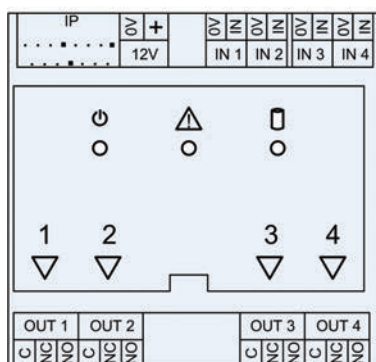
The extension unit is set to an address from 0 to 3 with DIP1. However, address 3 is not supported by the software!

REMARK - It is recommended to mount this device inside a metallic box. When an external power supply is used, a clamp filter (Kitagawa RISC-6F) needs to be placed on the power supply input (inside the metallic box) in order to suppress EMC. Make one turn inside the filter clamp.

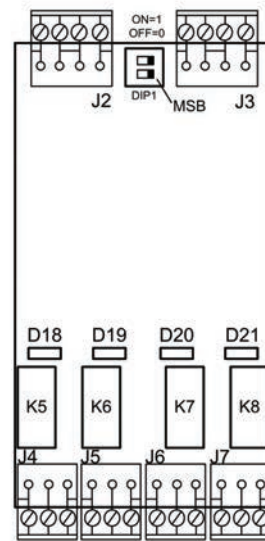
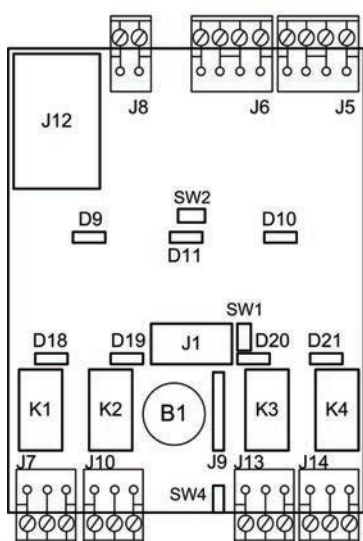
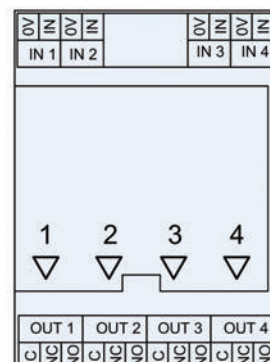


Connections and Adjustments

BASE UNIT



EXTENSION UNIT



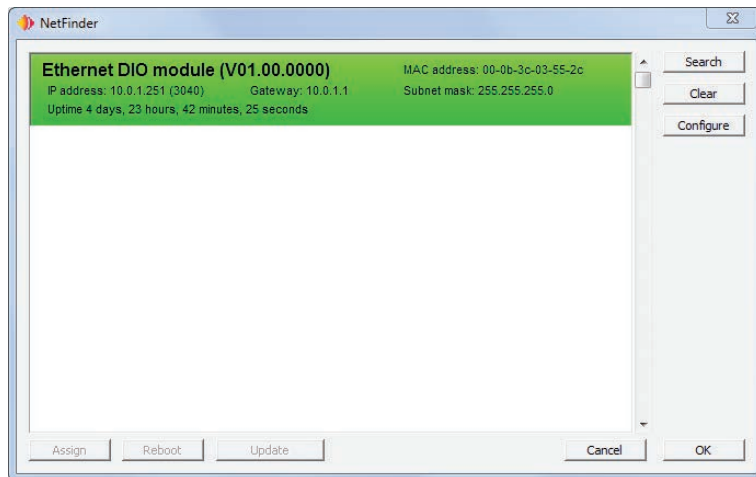
WARNING: THE 0V TERMINAL HAS TO BE CONNECTED TO EARTH!

Set the IP Address

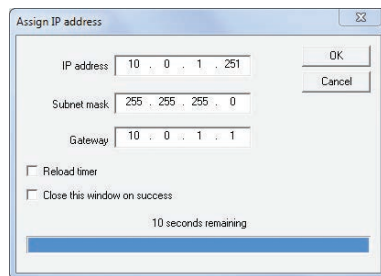
The NetIO module is by default set to IP address 192.168.1.100 with subnet mask 255.255.255.0.

Use the **NetFinder** tool to locate all modules on your local network. **Mind:** devices behind a router will not be detected.

Click **Search** to locate the NetIO modules.



Select the NetIO module that needs servicing and click **Assign**. Type the new IP address, subnet mask and gateway. These new settings are stored in flash memory.



REMARK - NetFinder.exe is found in the 'tools' map on the FastTrace 2 CD. When the /e parameter is added, the list will also return all video systems that are connected to the local network:

```
E:\Tools\netfinder.exe/e
```

Update Firmware

Step 1

To update the firmware, launch the NetFinder tool. Search the network for connected devices.

Step 2

Select the NetIO module that needs servicing, click **Reboot** and check the **Force bootload mode** option. Click **OK**. If successful, you will see the message “Success – device rebooted”.

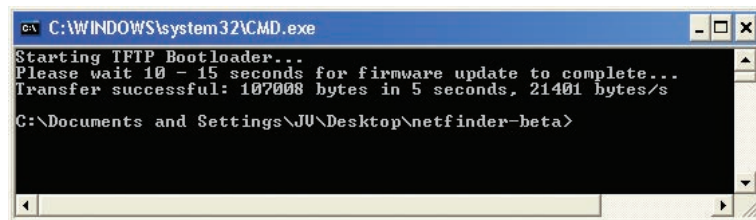


Step 3 (optional)

The NetIO module is now disabled and enters in Reboot mode. Click **Search** to update the list of connected devices. The NetIO module now appears in yellow. The IP address is stored in memory and will not be lost after the firmware update.

Step 4

Select the NetIO module and click **Update**. Select the file with the most recent firmware (img file). The file is transferred over the TFTP protocol (Trivial File Transfer Protocol is a simplified FTP protocol).



If successful, you will see the message “Transfer Successful”.

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