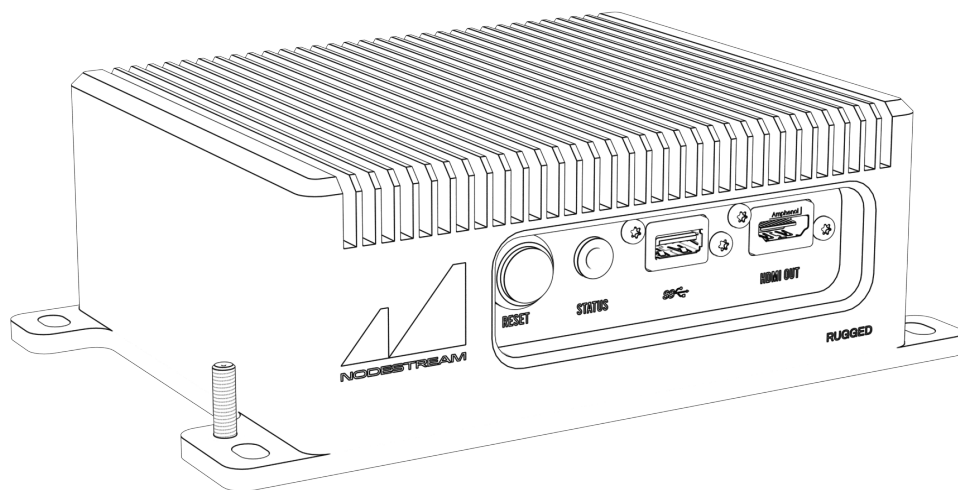


RUGGED

Quick Start Guide

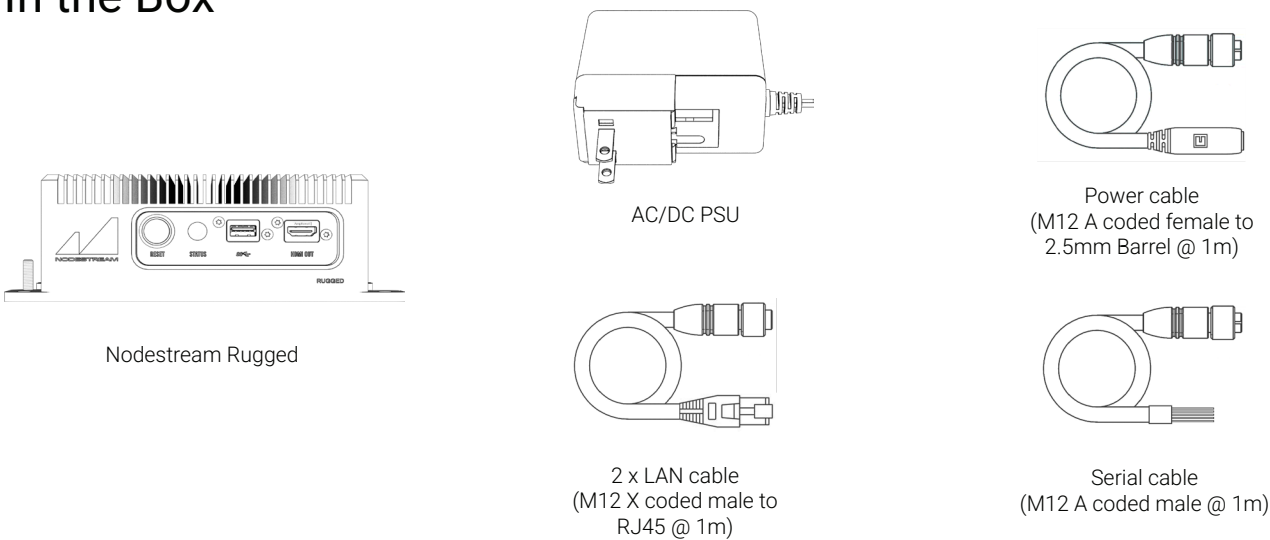




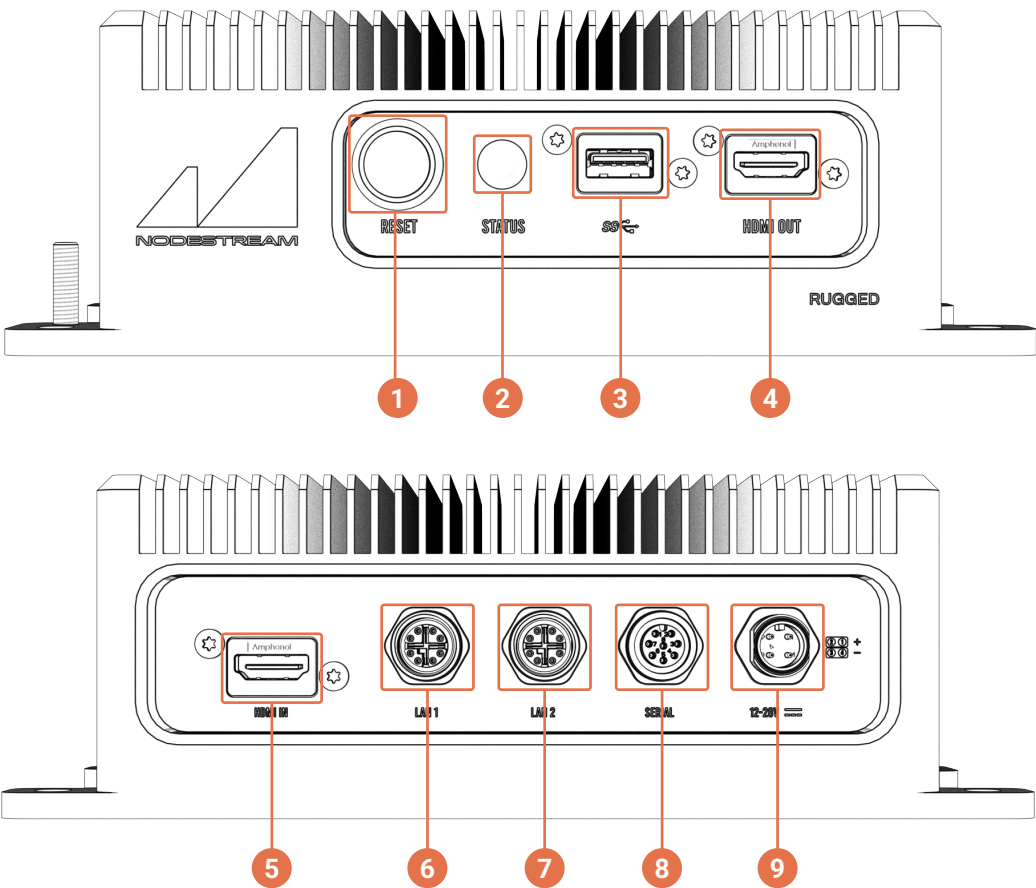
Welcome to Nodestream Rugged

Please read these instructions carefully before using this product, and save this quick start guide for future use. See the User Manual for full details via the QR code on the back page.

In the Box



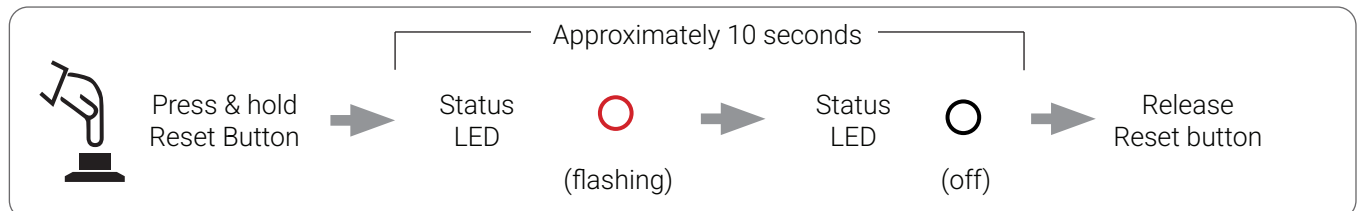
Connections





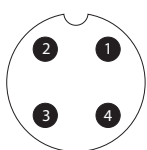
Connections / UI

- 1 Reset Button**
Restart device - Press 2 sec & release
Factory reset device



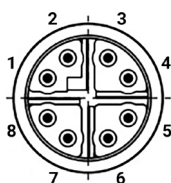
- 2 Status LED**
BLUE - System start **GREEN** - Solid (streaming), Flash (idle) **RED** - Network/server issue
- 3 USB A 3.0**
Connection of peripherals such as keyboard/mouse, camera
- 4 HDMI**
Display output
- 5 HDMI**
Video source input
- 6 LAN 1**
Primary interface for connection to your WAN
- 7 LAN 2**
Secondary interface for connection to networks sources that differ to the primary
- 8 Serial**
RS232 (/dev/ttyTHS0), and CANbus (future)
- 9 Power Input**
12-28VDC

Power	
Pin	Description
1	+ (12 to 28V)
2	+ (12 to 28V)
3	GND
4	GND



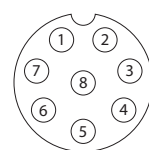
M12 A Coded Male

LAN1/2			
PIN	Description	Pin	Description
1	BI_DA+	5	BI_DD+
2	BI_DA-	6	BI_DD-
3	BI_DB+	7	BI_DC+
4	BI_DB-	8	BI_DC-



M12 X Coded Female

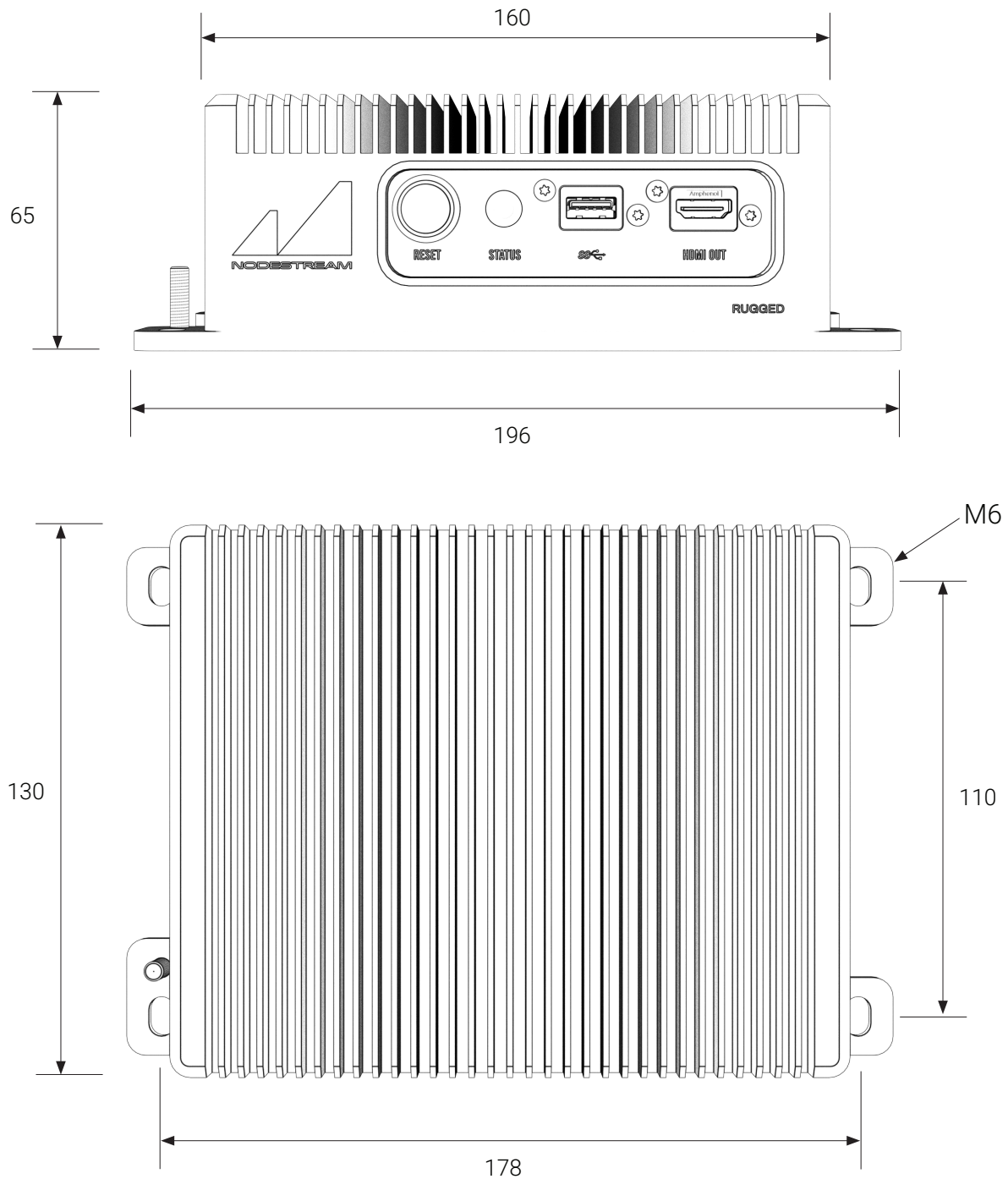
Serial			
PIN	Description	Pin	Description
1	RS232 RXD	5	GND
2	RS232 TXD	6	CAN High
3	RS232 RTS	7	CAN Low
4	RS232 CTS	8	GND



M12 A Coded Female



Dimensions / Mounting



- Ensure adequate space around heat sink for cooling
- For ambient temperatures exceeding 65°C, 0.5m/s of airflow across the heatsink is required
- Protective cap must be installed on unused LAN ports to maintain IP rating



Web Interface

1. Access the Web Interface

Via a computer on the same network

DHCP Enabled Network

From the web browser of a PC connected to the same LAN, navigate to:
device serial.local - e.g. au2518nsrx2a012.local, or the IP address of the device

Non DHCP Enabled Network

Configure the IPv4 network settings of a PC connected to the same LAN to:

IP	192.168.100.102
Subnet	255.255.255.252
Gateway	192.168.100.100

From a web browser, navigate to: 192.168.100.101



- Device will “fall back” to a static IP address when not connected to a DHCP enabled network - approximately 30 seconds after boot
- Due to the possibility of conflicting IP addresses, only 1 device can be configured at a time. Once configured, the device can remain connected

On the device

Press **alt+F1** on a connected keyboard

2. Login in - username & password = **admin**
3. Configure your network
4. Select device mode and configure your server on the “System” page



Once registered to a server, your device will need to be added to a group



Add your device to your Organization via the web portal



- Refer to the device User Manual for more information
- Add and manage inputs via you Nodestream X control application or NSLive portal



- Your WAN **MUST** be connected to LAN 1 of your device
- Nodestream devices require specific firewall settings to be in place. Refer to the User Manual for further information



User Resources



Contact and Support
support@nodestream.tech

Troubleshooting

Issue	Cause	Resolution
Device not powering	AC or DC not connected. Faulty or incompatible supply Incorrect pinout used	Confirm PSU is plugged in and AC supply on Confirm power input cable is connected correctly Test with alternative supply Ensure supply voltage meets required specifications, see User Manual Ensure pinout as per table on page 3
Nodestream X "Server Connection Error" Nodestream Live "Could not resolve hostname" Status LED RED	Network not connected Network settings incorrect Firewall blocking comms Not registered to server	Check Ethernet cable is connected Check network settings, contact your network administrator to diagnose network Ensure Firewall settings correct, see User Manual Register device on your Nodestream server
No video input	Sources not connected, powered on or correctly configured	Confirm sources connected and powered on, refer User Manual for configuration
Forgot login or network details	N/A	Factory reset to defaults (see "Factory Reset" on page 3)

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