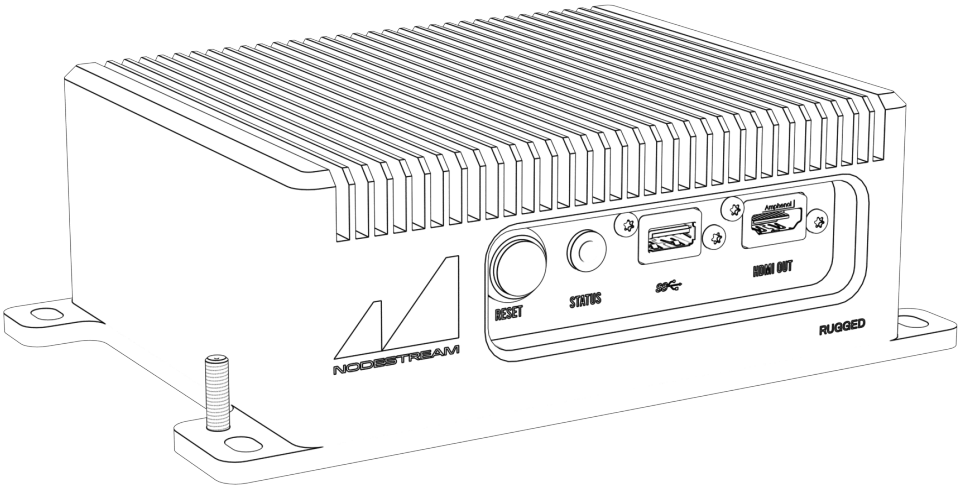
NODESTREAM

RUGGED

Quick Start Guide



Live

Overview

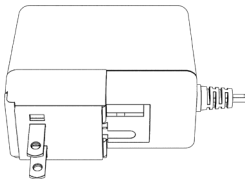
Welcome to Nodestream Rugged

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.

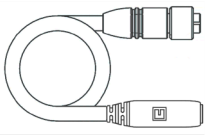
In the Box



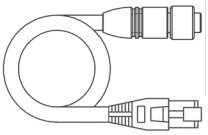
Nodestream Rugged



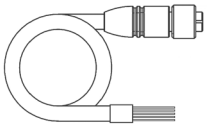
AC/DC PSU



Power cable
(M12 A coded female to
2.5mm Barrel @ 1m)

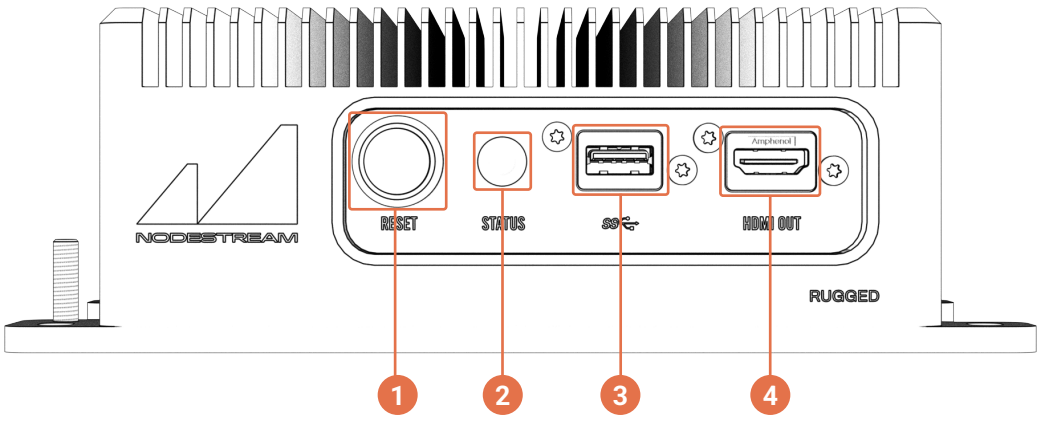


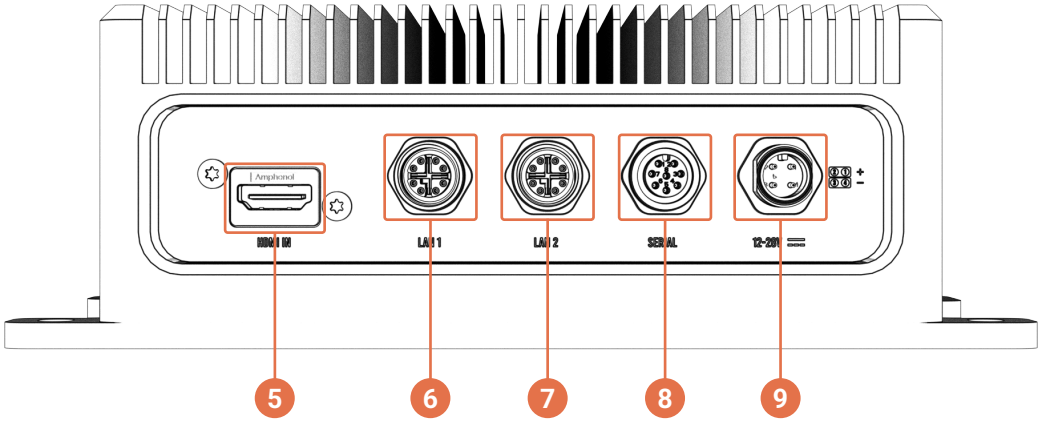
2 x LAN cable
(M12 X coded male to
RJ45 @ 1m)



Serial cable
(M12 A coded male @ 1m)

Connections



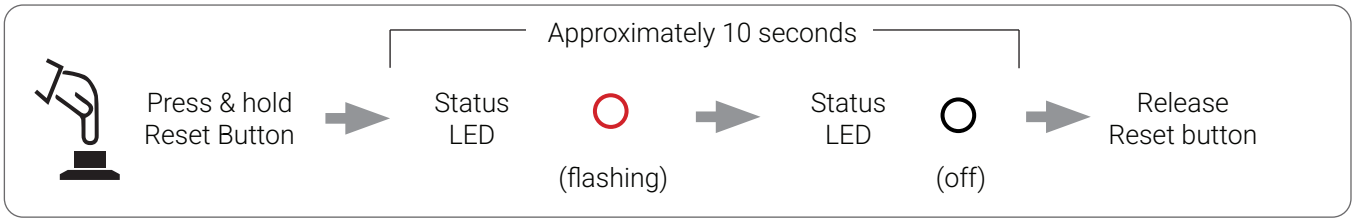


Overview

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

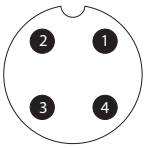
8 Serial
RS232 (/dev/ttyTHS0), and CANbus (future)

9 Power Input
12-28VDC

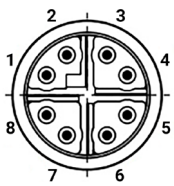
Power	
Pin	Description
1	+ (12 to28V)
2	+ (12 to28V)
3	GND
4	GND

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-

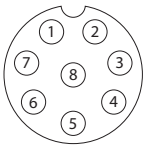
Serial			
PIN	Description	Pin	Description
1	RS232 RXD	5	GND
2	RS232 TXD	6	CAN High
3	RS232 RTS	7	CAN Low
4	RS232 CTS	8	GND



M12 A Coded Male

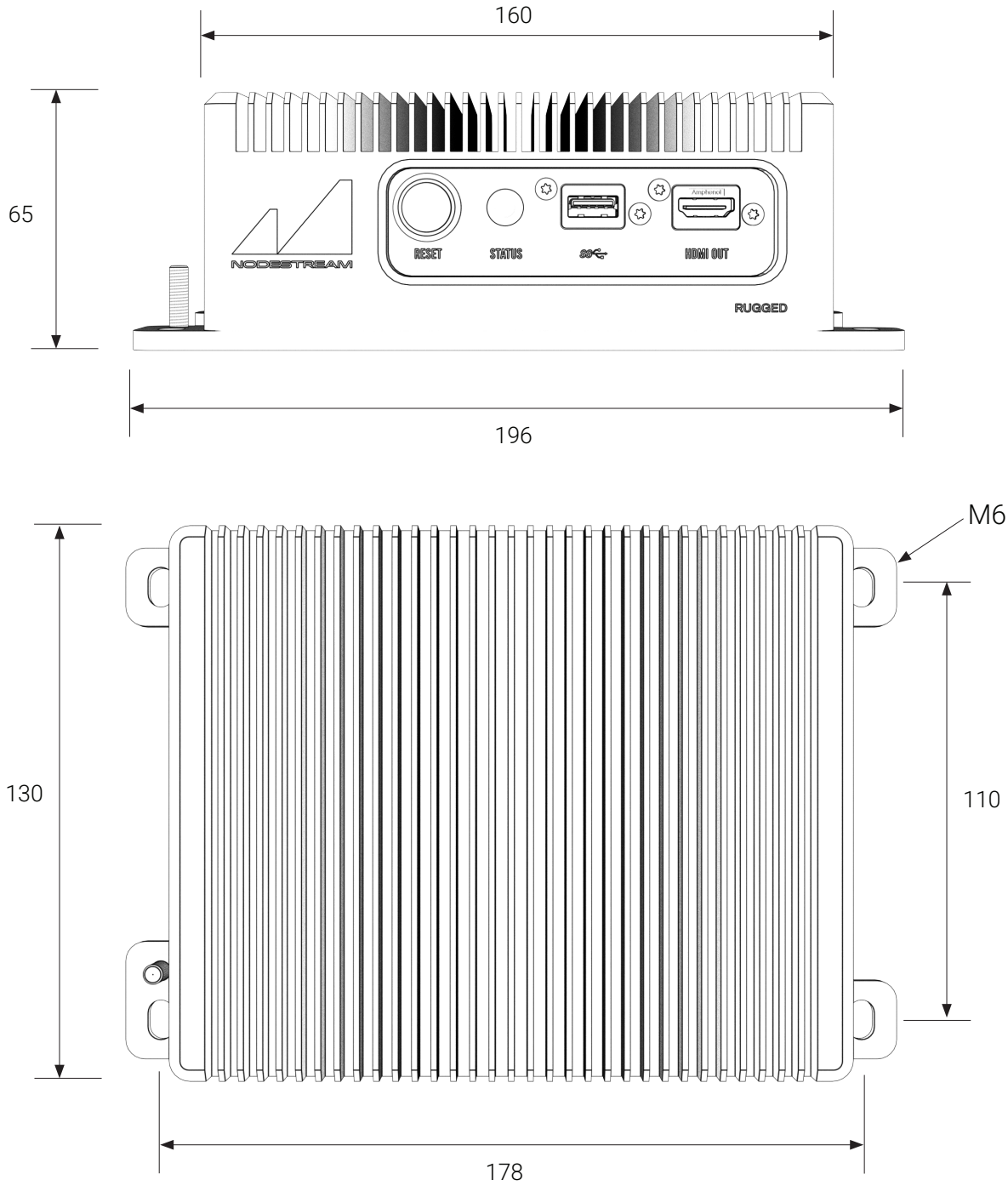


M12 X Coded Female



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

Live

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.	Confirm PSU is plugged in and AC supply on Confirm power input cable is connected correctly
	Faulty or incompatible supply	Test with alternative supply Ensure supply voltage meets required specifications, see User Manual
	Incorrect pinout used	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	Check Ethernet cable is connected
	Network settings incorrect	Check network settings, contact your network administrator to diagnose network
	Firewall blocking comms	Ensure Firewall settings correct, see User Manual
	Not registered to server	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)

EU REP TerrainQ Solutions UG (info@cert-rep.com ; +49 176 43242825)
Franz-Ehrlich-Straße 12, 12489 Berlin, Germany

UK REP Dallas Allardice (dallas.allardice@nodestream.tech ; +44 7921567416)
Overton Lodge, Methlick, Ellon, UK, AB41 7HT

Nodestream Technology Pty Ltd
7 Turner Ave, Technology Park
Bentley WA 6102, Australia
nodestream.tech

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