nettwark

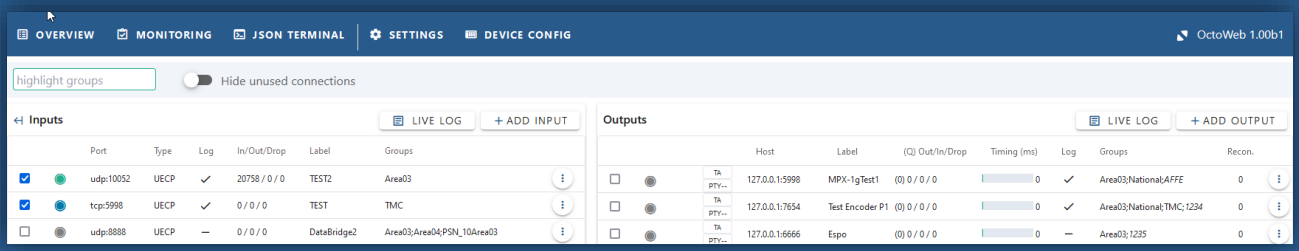
Fleet Management Platform

Highlights

- Centrally configure, control and update devices
- Connect to 2wcom devices in the field across any network or satellite
- Web-based configuration, scheduling and bulk actions

Your audio. Our solution.

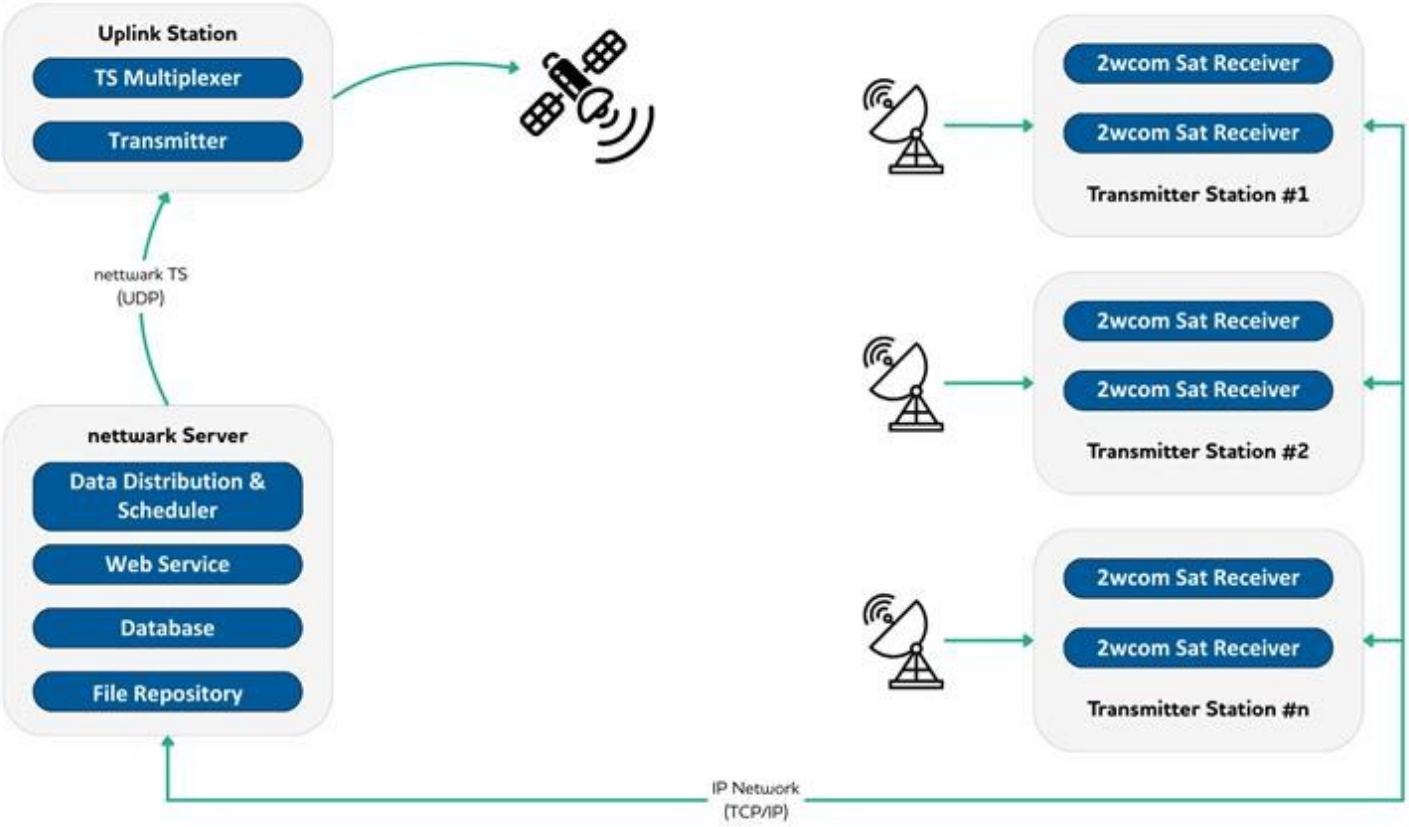
2wcom



nettwark – Remote Management Platform (1/2)

nettwark is a web-based platform for remotely managing broadcast devices. It provides a centralized and intuitive interface to centrally configure, control, and update broadcast devices across any network – including satellite-based connections. With features like bulk operations, scheduled tasks, firmware management, and secure browser access, nettwark streamlines complex workflows and reduces operational effort.

Ideal for broadcasters, network operators, and system integrators, nettwark offers the control and scalability needed to manage large-scale infrastructures efficiently.



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Main Features

- Reliable audio and setting uploads via satellite link
- ‘Hands free’ automatic group configuration via satellite link. No need to configure the physical device.
- Multiple options to schedule audio or setting uploads
- Modern system architecture and Web interface

Smart Device Management

- Centralized management of 2wcom 4audio devices
- Bulk action for devices or device groups
- Control single parameters within a device or device group
- Extendable with customized action dialogs

Reliable Data Transport

- MPEG-2 TS via Satellite including error recovery mechanisms
- TCP/IP which also includes device availability monitoring

Key Benefits

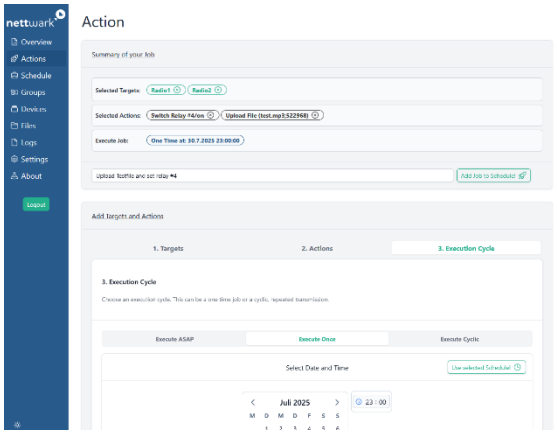
Modern Technology Stack: nettwark is built on a modern Linux-based architecture and optimized IP transport mechanisms. This ensures seamless integration with modern IT infrastructures, Linux environments, and containerized deployments.

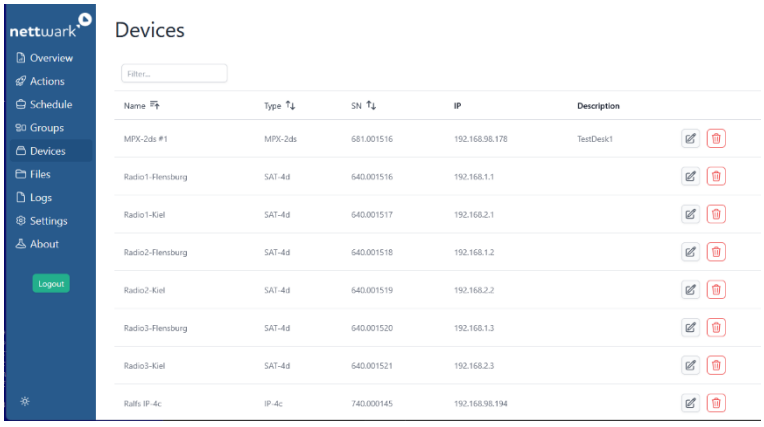
Web-Based: No local installation required – simply access via browser.

User-Friendly Interface: The intuitive UI makes device management easier than ever.

Easy Integration: nettwark can control any 2wcom 4audio device

Automatic group assignment: The configuration of the device / group relation is distributed automatically. The device installed on the transmitter station just needs the common setup to receive the transport stream. After a short while it receives the group information from the nettwark server and ‘knows’ to which groups it should listen to.





Use cases

Transmitter Site Management

Operators of transmitter networks can use nettwark to centrally manage devices receiving program signals via IP or satellite. Whether it's switching input sources, reconfiguring settings, or adjusting parameters, or remote updates, nettwark minimizes the need for local intervention.

Configuration Updates

With nettwark, configuration updates can be distributed to single devices or device groups. So, if for example a frequency of a program is about to change, you can upload a new setting file in advance and activate those new settings at a given time for all devices at once – ideal for planned frequency shifts or scheduled maintenance windows.

Fine-grained parameter adjustments

nettwak can modify single parameters in devices., such as changing the input source, updating the device name, or setting RDS metadata like Program Service (PS) or Radio Text in the MPX-1g.

Audio file uploads

nettwark can upload audio files – such as regional advertising, station IDs, or jingles – to the internal storage of the 2wcom devices. This ensures that time-sensitive audio content is available when and where needed, without relying on live playout of the audio.

Hybrid Network Operation (Satellite & IP)

In complex infrastructures with both terrestrial IP and satellite distribution paths, nettwark handles mixed topologies seamlessly. Devices can be can be fed with data over the satellite link or via TCP/IP – depending on the device configuration.

Device support

All devices in the 2wcom 4audio series – for example IP-4c, SAT-4d, MPX-2ds and DAB-4s – support control via nettwark. The platform automatically adapts to each device's capabilities, making centralized management of even diverse hardware setups straightforward. Whether operating over IP, Satellite or RF links, nettwark ensure unified, reliable control.

Smooth transition

While nettwark supports the full 4audio series, many existing installations stil rely on 2wcom's previous Satellite In-band Remote Control (SIRC) system, particularly for the discontinued DSR02, FlexDSR, FlexXtract devices. To ensure a smooth migration from SIRC to nettwark, or for managing mixed environments, nettwark can operate in parallel with the existing SIRC using its on independed transmission path. On request, nettwark can even interface with the SIRC system to send control commands to legacy devices.