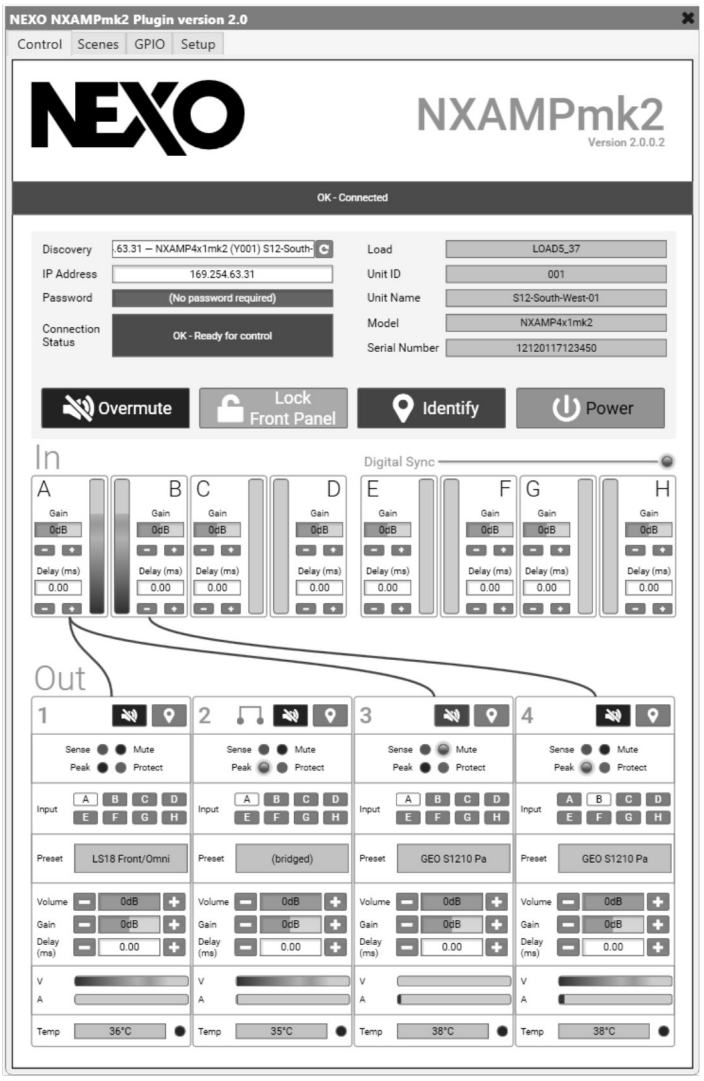
NXAMPmk2 QSYS PLUGIN



USER MANUAL (PLUGIN VERSION 2.0)

INTRODUCTION

The NEXO NXAMPmk2 Q-SYS Plugin provides full control and monitoring of NEXO NXAMPmk2 amplifiers within the Q-SYS ecosystem, offering control of input/output routing, gain, delay, volume, metering, and scene management.

Control of first-generation NXAMP devices is limited.

It is authored by Mathieu MAQUET (MAQ SYSTEMS) for NEXO.

This plugin in version 2.0 is compatible with Q-SYS Designer software minimum version 9.13.

RELEASE NOTES

- Version 2.0.0.2 - December 2025
  - Initial Release

COMPATIBILITY

Amplifier series	Extension card model	Compatibility
NXAMPmk2	NXRM104 (default card)	Full
	NXAEDT	Full
	NXDT104mk2	Full
	NXAE104	Full (without discovery)
	NXDT104	Limited**
	NXES104	Not Compatible
NXAMPmk1	NXDT104mk2	Limited**
	NXDT104	Limited**
	NXAE104	Limited**
	NXES104	Not Compatible

** Control is limited on these devices to Power, Mute, Meters and Volume.

KEY FEATURES

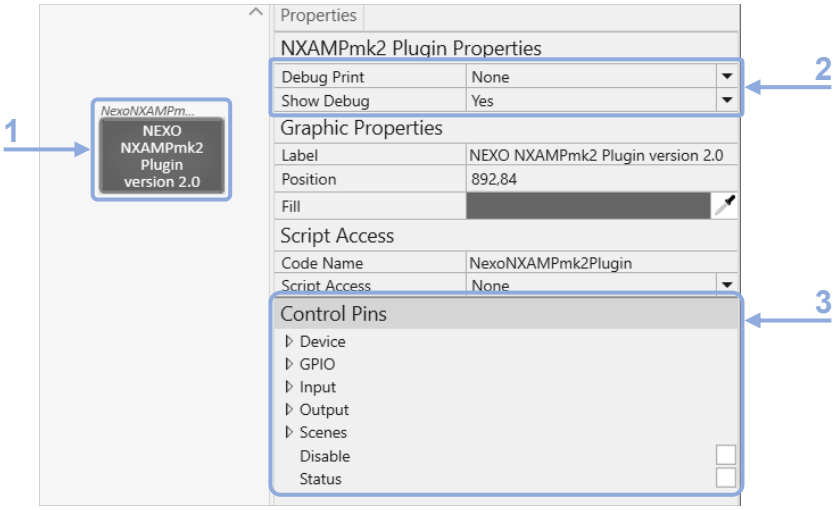
- **Automatic Device Discovery**: Automatically detects NXAMP devices on the network
- **Power**, **Identify**, and **Overmute** controls
- **Real-time Monitoring**: Monitors input/output levels, temperature, and device status
- **Flexible Routing**: Configure input-to-output routing for all channel combinations
- **Scene Management**: Recalls amplifier configurations created in NeMo

- **Password Protection**: Secure device access with password authentication
- **Bridge Mode Support**: Visual indicators for bridge mode operation
- **Comprehensive Metering**:
    - Level Monitoring per input
    - Voltage, current, and temperature monitoring per output

INSTALLATION

1. Obtain the '.qplugx' plugin file from your authorized NEXO distributor or download it following this link: https://nexo-sa.com/shares/upload/NEXO_NXAMPmk2_Plugin_2_0.qplugx
2. Double-click the '.qplugx' file to start the installation.
3. Click 'Yes' to install
4. After installation, the plugin is available under Schematic Elements > Plugins in Q-SYS Designer.

COMPONENT DESCRIPTION



(1) Drag the plugin to the design and click on it to display its properties.

(2) Available properties include **Show Debug** and **Debug Print**. Only use debug for troubleshooting purposes, as it can increase memory usage.

(3) All controls can be exposed as **Control Pins**.

USER INTERFACE DESCRIPTION

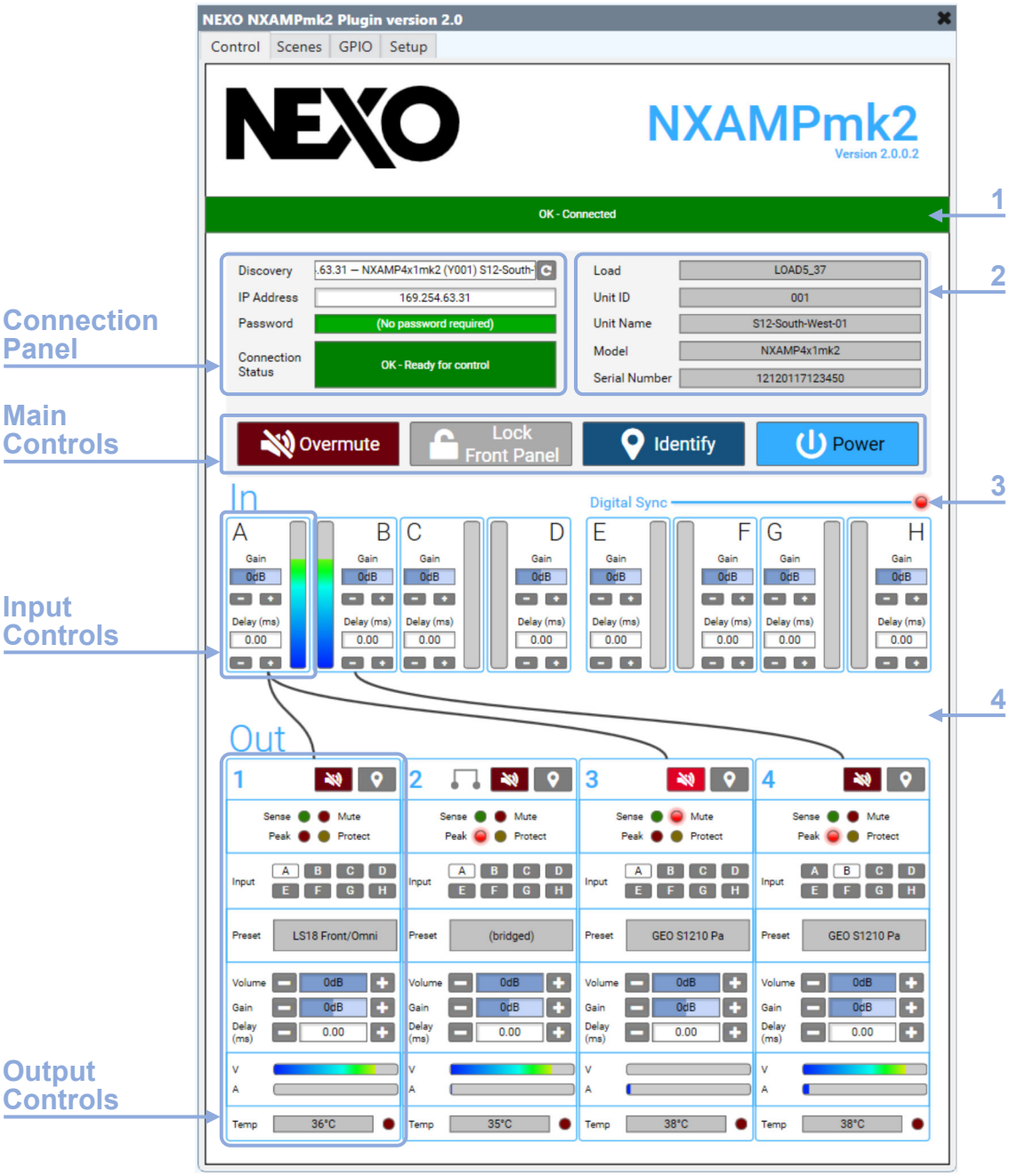
User interface is made of four pages:

1. **Control**: for audio controls, routing, and metering
2. **Scenes**: to recall existing configurations in the device
3. **GPIO**: to monitor GPIO activity

4. **Setup**: to monitor alerts and set metering options.

The top part for global controls, connection, status, and info is displayed on all pages.

CONTROL PAGE



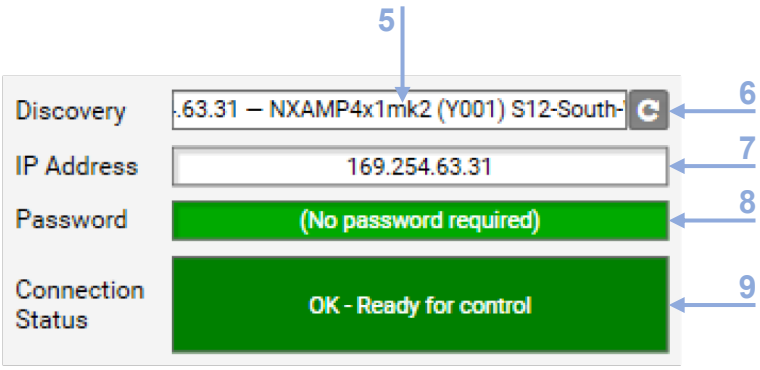
(1) **Global status** - Reflects the overall device and plugin status

(2) **Device Info** - Gets populated with info retrieved from the device

(3) **Digital Sync LED** - Shows digital (AES67 or Dante) clock synchronisation. It does not reflect the presence of audio signal

(4) **Routing Vizualisation** - Mimics NeMo's way of showing routing paths

CONNECTION PANEL



(5) **Discovery List** - Displays devices discovered on the network. Select a device to connect to it

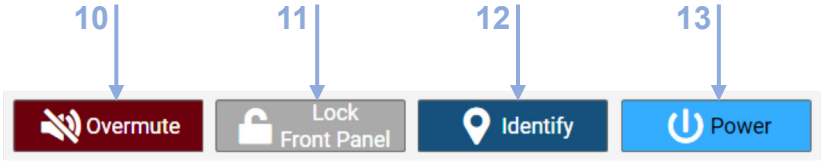
(6) **Discovery Refresh** - press to refresh the discovery list

(7) **IP Address** - Manual IP address entry. Automatically populated when a device is selected from the Discovery List

(8) **Password** - Device password entry. Enabled only when a password is required

(9) **Connection Status** - Indicates the TCP socket state and active control mode

MAIN CONTROLS



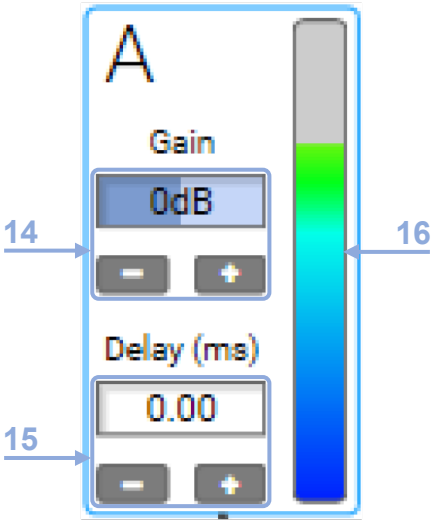
(10) **Overmute** - Toggles the whole device mute state

(11) **Lock/Unlock** - Locks or unlocks the device front panel. Available only when the password is correct or when no password is required

(12) **Identify** - Starts the device identifying routine

(13) **Power** - Toggles between powered and standby modes

INPUT CONTROLS

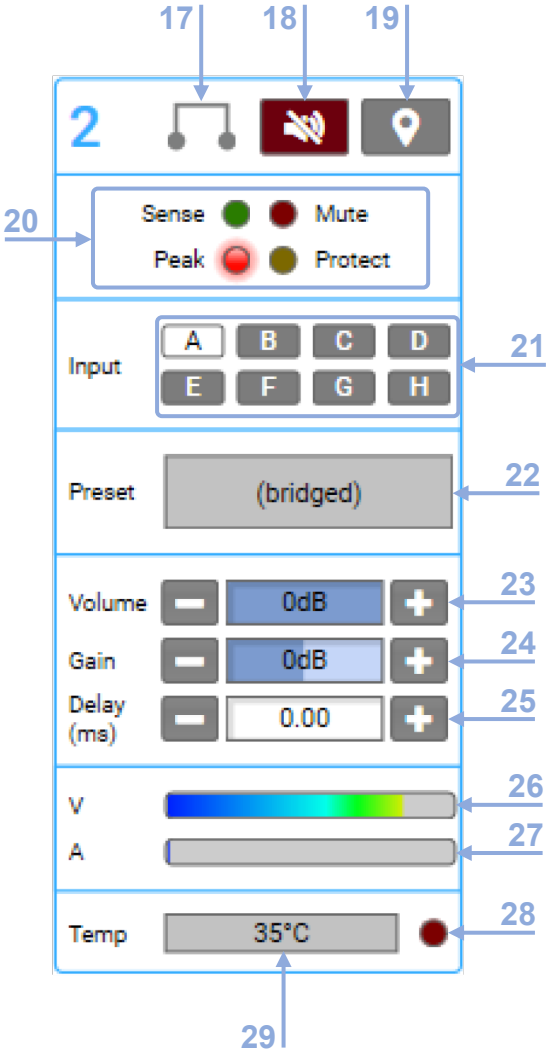


(14)**Input Gain Controls** - ± 0.5dB increase and decrease buttons. Goes from -6dB to +6dB

(15)**Input Delay Controls** - ± 0.08ms increase and decrease buttons. Goes from 0 to 10ms

(16)**Input Level Meter** - Displays Analog or Digital input Levels in dBFS

OUTPUT CONTROLS



(17) **Bridged Output Channel Indicator** - Only available on channels 2 and 4

(18)**Output Channel Mute** - Toggles mute on single output channels

(19)**Output Channel Identify** - Toggles identification on single output channels

(20)**Sense**, **Mute**, **Peak** and **Protect** LEDs

(21)**Routing Controls** - Routes input channels to output channels

(22)**Preset Name** - Displays the current NeMo preset for this channel

(23)**Output Volume Controls** - Goes from -90dB to 0dB

(24)**Output Gain Controls** - Goes from -18dB to 18dB

(25)**Output Delay Controls** - Goes from 0ms to 1000ms

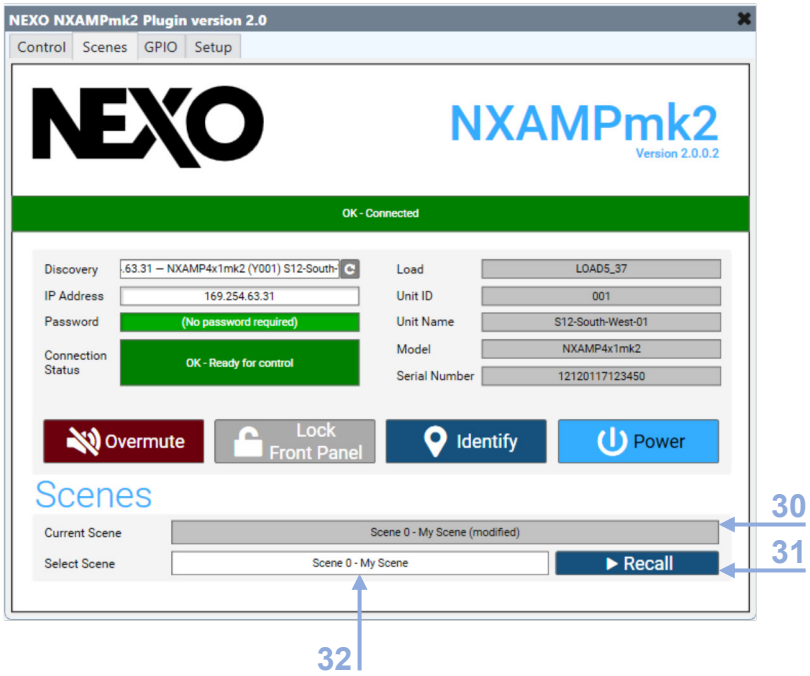
(26)**Voltage Meter**

(27)**Current Meter**

(28)**Overtemp** LED

(29)**Temperature** Display

SCENES PAGE

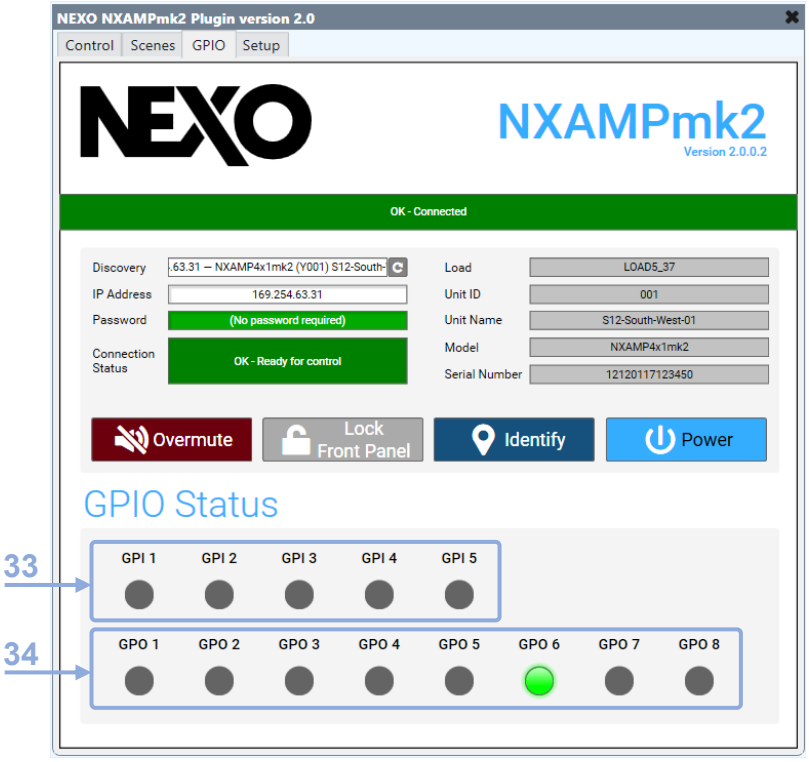


(30)**Current Scene** - Shows the currently active scene and whether it has been modified

(31)**Recall button** - Used to recall the scene selected in the "Select Scene" List

(32)**Select Scene** - List of available scenes to recall

GPIO PAGE



(33)**General Purpose Input LEDs**

(34)**General Purpose Output LEDs**

SETUP PAGE

(35)**Meter Update Interval** (ms) - Sets the meter and LED update rate. Raise the value to reduce memory usage

(36)**Enable Meters** - Toggles metering activation. Defaults to off

(37)**Memory Usage** (KB) - Displays current plugin memory usage

(38)**Alert Status** - Reflects active device alerts

SUPPORT

For technical support, feature requests, or bug reports, please contact your local NEXO

sentative, or send an email to technical@nexo.fr

When reporting issues, please include:

- Plugin version
- Q-SYS Designer version
- Q-SYS Core model and firmware version
- NXAMP model and firmware version
- Debug log output (set Debug Print to "All")
- Detailed description of the issue and steps to reproduce

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USER NOTES

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