NWare™ Plug-In for Peavey® MediaMatrix® Software

User Guide

1. Requirements

▸ Compatible Powersoft amplifiers:
  ▸ K Series, with DSP+AESOP, or AESOP only

  ▸ Duecanali, with DSP+AESOP, or AESOP only

  ▸ Firmware version 5.2.2 or higher
▸ Peavey® MediaMatrix® system with NWare™ 1.6.3 or higher properly running on a PC
▸ Powersoft .npp files for above amplifiers

2. Installation

Powersoft plug-ins for Peavey MediaMatrix NWare provide integrated monitoring and control of Powersoft K Series and Duecanali amplifiers through a Peavey NION® system. Powersoft's Armonía Pro Audio Suite™ software will be required for initial setup and management of the amplifiers.

As NWare plug-ins, the files have the extension .npp.

To install a plug-in in your local copy of NWare, simply use the 'Import Plugins' command from the 'Tools' menu in NWare, then navigate to the location of the plug-in .npp file itself.

Once installed, the plug-in will appear in the NWare Devices menu and can be added to any design in the usual way by dragging it onto the work area.
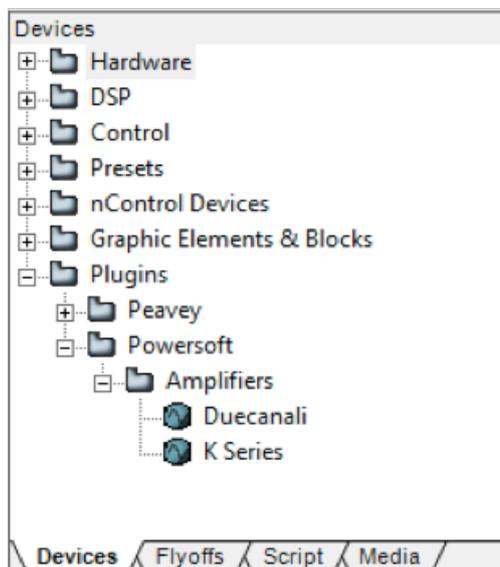
The blocks for both amplifier types, K Series and Duecanali, are identical, so Duecanali shall serve as example here.

3. Getting Started

A block for Powersoft amplifiers will appear in NWare as follows:
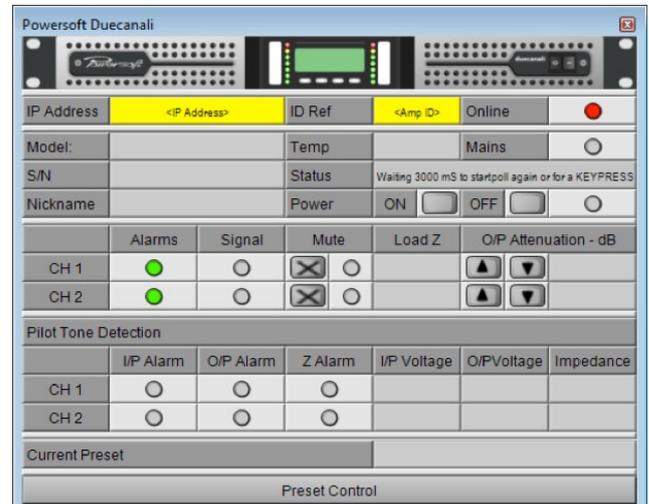
Here a detailed description of all fields in the block pictured here above:

The IP address of the amplifier to be monitored must be entered in this field before the NWare file is deployed to NION or used in emulation mode.


The ID of the amplifier to be monitored must be entered in this field before the NWare file is deployed to NION or used in emulation mode.

This Boolean indicator shows whether the amplifier is on-line (green) or off-line (red). If the amplifier is on-line, all other fields display the current status.

3.1. Remote Control and Monitoring Blocks
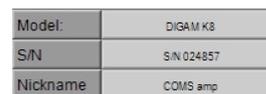
Specific information returned by the individual amplifier.

Internal temperature of the amplifier in °C.

Status of the AC mains supply the amplifier is connected to.

powersoft_uguide_nware_en_v2.1
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+39 055 735 0230 • sales@powersoft.it • www.powersoft-audio.com

Status	Waiting 3000 mS to startpoll again or for a KEYPRESS
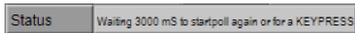
Actual status of the polling process.

Power	ON	OFF	●
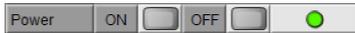
Controls, including status indicator, to put the into standby mode, e.g. to save power.

	Alarms
CH 1	●
CH 2	●

Representing an accumulation of all possible alarms, the indicators would turn red in case of any type of fault. More detailed analysis may be performed with Armonía Pro Audio Suite.

Signal
●
●

Replicating the signal presence LED's on the front of the amplifier.

Mute	
✕	○
✕	○

Controls, including status indicators, to individually mute amplifier channels.

Load Z
655
655

Load impedance on the amplifier outputs.

O/P Attenuation - dB		
▲	▼	7
▲	▼	15

Adjustment of output attenuation in steps of 1dB per individual amplifier channel, and display of actual value.

Pilot Tone Detection	I/P Alarm	O/P Alarm	Z Alarm
CH 1	○	○	○
CH 2	○	○	○

For amplifiers equipped with DSP: A pilot tone generated by the DSP inside the amplifier is used for detection of errors regarding input or output signals as well as load impedance. Indicators will turn red in case of values exceeding limits as defined in Armonía Pro Audio Suite.

For amplifiers without DSP: This section will remain unused. Indicators may turn red, but can be ignored.

I/P Voltage	O/P Voltage	Impedance
0.0	3.796	93.554
0.0	4.833	54.467

Actual values inside the amplifier, which are then compared with upper and lower reference values set with Armonía Pro Audio Suite.

3.2. Preset Loading

Current Preset	Preset 14

Name of the preset as currently loaded.
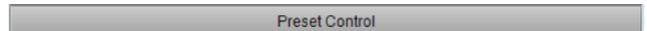
Preset Control

Opens a pop-up window for further control of presets as follows here:

Preset Control						⊠
Presets		Refresh		Current		Preset 14
Ref	Load	Name	Ref	Load	Name	
1	▢	Preset 1	26	▢		
2	▢		27	▢		
3	▢		28	▢		
4	▢		29	▢		
5	▢		30	▢		
6	▢		31	▢		
7	▢		32	▢		
8	▢		33	▢		
9	▢	My9	34	▢		
10	▢		35	▢		
11	▢		36	▢		
12	▢		37	▢		
13	▢		38	▢		
14	▢	Preset 14	39	▢		
15	▢		40	▢		
16	▢		41	▢		
17	▢		42	▢		
18	▢		43	▢		
19	▢		44	▢		
20	▢		45	▢		
21	▢		46	▢		
22	▢		47	▢		
23	▢		48	▢		
24	▢		49	▢		
25	▢	Preset 25	50	▢		
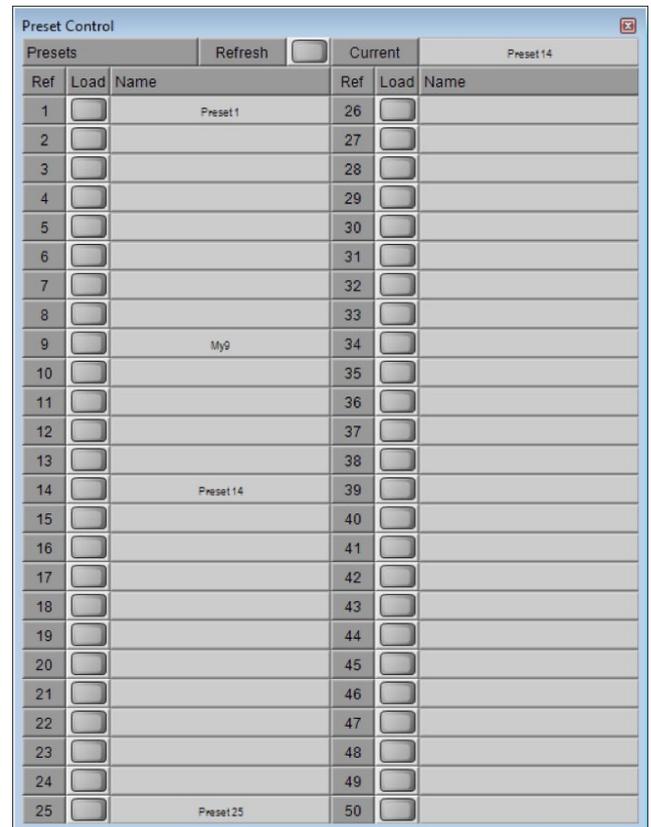
See currently loaded preset in the upper right corner. The 'Refresh' button updates preset names, and individual presets can be loaded by clicking the button next to it.

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Powersoft