DSP. ProDGnet

Remote processing, control and management are carried out through *ProDGnet* software.



ProDGnet software allows an instantaneous and intuitive view of the status of all systems, as well as absolute control of the different parameters individually (unit by unit).

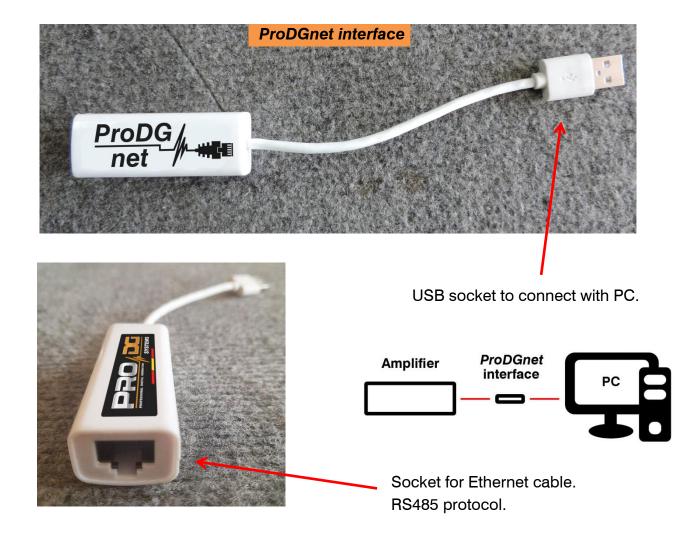
To operate with *ProDGnet* software from your PC you will only need:

 Download ProDGnet software at Pro DG Systems website (section "Support" > "Software"): <u>https://prodgsystems.com/19-scrpt-software.html</u>

Easy to download, all the necessary drivers for installation are included.

Important: the software is currently available for any version of Windows (32 and 64 bits).

 Acquire *ProDGnet* interface (optional), to connect the DSP module housed in the amplifier with your PC. To purchase *ProDGnet* interface contact us at: <u>info@prodgsystems.com</u> or consult your authorized Pro DG Systems distributor.



Below is a **guide for use** and information on the different menus of the *ProDGnet software*, which we can see **when we connect the DSP module of the unit to the PC**, through the ProDGnet interface:

IN

OUT

RS485NET

Once the software is downloaded on your PC; create your network of Pro DG Systems systems, to do this connect the Ethernet cabling to the different units;



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Personal Edition Port :	COM8 Baud Rate : 115200 State : Connected	All rights reserved, infringement!	**** Welcome to LOUDSPEAKER MANAGEMENT SYSTEM ****

This menu allows modifying different options on input A and outputs 1 and 2, such as: Mute, Limiter, Gain, Polarity and Delay.

When clicking "Connect" > "Remote mode", in the top bar;

Loudspeaker Management Sys	stem V4.4.46					- 8 💌
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Personal Edition Port :	COM8 Baud Rate : 115200	State : Disconnected	All rights reserve	d, infringement!	★★★★★ Welcome to LOUDSPEAK	ER MANAGEMENT SYSTEM ☆☆☆☆☆

The following dialog box will appear;

Allowing connection to the DSP module of each unit connected to the Ethernet network.

COM		
Serial Port:	COM8	•
Baud Rate:	115200 bps	-

After pressing "OK" all connected units will be displayed (in green) to the left of the menu;

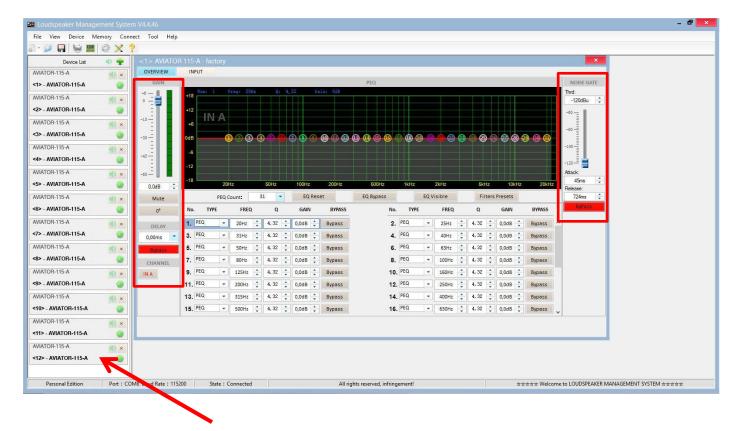
Network Edition P	ort : COM8 Baud Rate : 115200	State : Connected	All rights reserved, infringement!	**** Welcome to MA STUDIO ****	
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11> - AVIATOR-115-A					
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Loudspeaker Management	System V4.4.46 Memory Status Tool Help				- 4
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By clicking on the **INPUT menu**, a 31-band parametric equalizer is displayed, allowing you to select the type of Filter, Frequency, Bandwidth (Q), Gain and Bypass;

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Device List 🛛 🔹 🌞	<1> AVIATO	8115.4	factory												×	
AVIATOR-115-A	OVERVIEW	INPUT)													
<1> - AVIATOR-115-A	GAIN		-			4 44	ain: OdB	PEQ							NOISE GATE	
WIATOR-115-A	+6 - 1	+18		Freq: 20Hz		4,32 6	ain: 065								Thrd: -120dBu ‡	
42> - AVIATOR-115-A		+12													-60 -= 1	
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3> - AVIATOR-115-A	-30	OdB	(000	000	@ @ @	8866	@ @ (19	000	0 0 0	തത	<u>ര</u> 🔊 🚳	-80	
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4> - AVIATOR-115-A	-45														-120	
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5> - AVIATOR-115-A	0.0dB	-18	20	Hz	50Hz	100Hz	200Hz	500Hz	1kHz	-	2kHz	5kH	: 10kH	z 20kHz	45ms 🗘	
WIATOR-115-A	Mute		PEQ	Count:	31 👻	EQ Re	set	EQ Bypass	1 [EQ Vi	isible	Filte	ers Presets		724ms	
6> - AVIATOR-115-A	0°	No.	TYPE	FREQ	Q	GAIN	BYPASS	> N	o. TYPI	E	FREQ	Q	GAIN	BYPASS	ByPass	
WIATOR-115-A		1. PE	2 *	20Hz	4, 32	0,0dB 🗘	Bypass	_	PEQ	+	25Hz	4, 32	0,0dB	Bypass	^	
7> - AVIATOR-115-A	DELAY	3. PE		31Hz					PEQ	-			0,0dB			
WIATOR-115-A	Bypass	5. PE				0,0dB			PEQ	+		4, 32				
8> - AVIATOR-115-A		7. PE				0,0dB			PEQ	-	100Hz		0,0dB			
WIATOR-115-A	CHANNEL IN A	9. PE				0,0dB 1			D. PEQ	+	160Hz					
9> - AVIATOR-115-A	IN A	11. PE				0,0dB	Bypass		2. PEQ	-			0,0dB			
WIATOR-115-A		13. PE	2 +			0,0dB	Bypass		4. PEQ	+		4, 32				
· · · ·		15. PE				0,0dB			B. PEQ	-			0,0dB			
:10> - AVIATOR-115-A 🛛 💼					Sal ka sala	• 11 · · · · · · ·							2010.2010.10		×	
WIATOR-115-A										_	_	_	_			
AVIATOR-115-A		_														

On the left of the menu, you can manually modify Gain, Mute, Delay, Bypass and input channel selection.

To the right of the menu is a noise gate where we find Threshold, Attack, Release and a Bypass of the input noise gate.



To apply changes to any of the units connected to the ProDGnet network, simply click on the desired unit.

To select factory stored presets, it will be necessary to click "Memory" > "Preset manager".

The unit has 5 factory presets.

File	View	Device	Mer	mory	Connect	Tool	Help
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File	View	Device	Mer	mory	Connect	Tool	Help
				Prese	t manager		
				PC pi	reset		•
				Expo	rt all presets		
				Impo	rt presets pa	ckage	

Then, the factory stored preset selection menu will be displayed;

Loudspeaker Management System V4.4.46 le View Device Memory Connect Tool Help Loudspeaker Management System V4.4.46		- 6 - 6
le View Device Memory Connect Tool Help		
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IATOR-115-A	Bu 0.0dB 99 200 21: 22 23 24 25	DELAY LIMIT MUTE 1.000ma - 128ba - 1 1.1.47ma - 100Ba - 2
//ATOR-115-A		
Personal Edition Port : COM8 Baud Rate : 115200 State	: Connected All rights reserved, infringement!	****

The meaning of the colors shown next to each preset is as follows:

Ι

Empty Preset.

Preset stored in memory.

Preset that we want to appear by default when turning on the unit.

Currently selected preset.

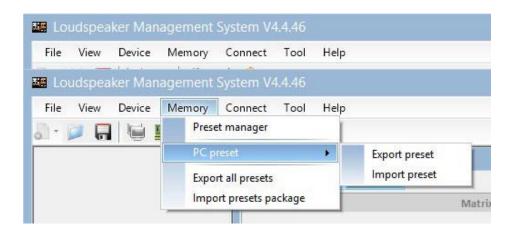
Preset currently selected and that will appear by default when turning on the unit.

"Save" allows saving changes made to the selected preset.

"Recall" allows reloading a stored preset.

"**Boot**" allows setting the selected preset as the desired preset that will appear by default when turning on the unit.

To Import or Export presets individually (preset by preset), from PC to amplifier unit or vice versa, it will necessary to click "Memory" > "PC preset".



The "Export all presets" tab allows **exporting all the presets stored on the PC to the unit**. The "Import presets package" tab allows **importing all the presets stored on the unit to the PC**.

To change the language, click "Tool" > "Language".

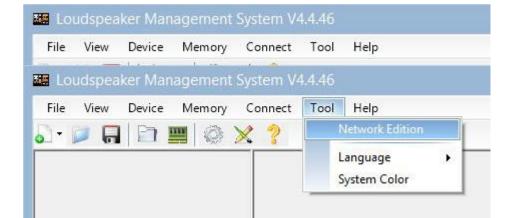
If you want to change the menu color, click "Tools" > "System Color".

File	View	Device	Memory	Connect	Tool	Help	
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File	View	Device	Memory	Connect	Tool	Help	
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By having a network of systems connected to each other through Ethernet cabling and RS485 protocol, you have the possibility of **creating a group of systems**, which allows any change or equalization made to be applied to all the units that are part of the same network.

For example, if we have twelve units AVIATOR 115 A, when creating a group made up of these units, any change or equalization made will be applied to all units;





To create a system group, click "Tool" > "Network Edition"

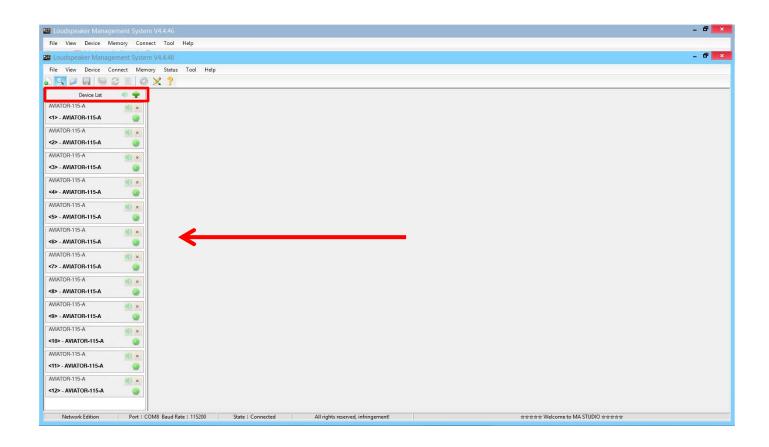
Then click on the **magnifying glass** icon;

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Device	Connect	Memory	Status	Tool	Help
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The	following	dialog	box	will
appe	ear. Click "	OK " but	ton".	

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Once the previous step has been completed, all the units connected to the network will be displayed on the left of the menu (the group has not been created yet). Then click "**Device List**" button".



The following dialog box will appear;

NetLink		
<1> AVIATOR 115-A		
<2> AVIATOR 115-A		
<3> AVIATOR 115-A		
<4> AVIATOR 115-A		
<5> AVIATOR 115-A		
<6> AVIATOR 115-A		
<7> AVIATOR 115-A	×	
<8> AVIATOR 115-A		
<9> AVIATOR 115-A		
<10> AVIATOR 115-A		
<11> AVIATOR 115-A		
<12> AVIATOR 115-A		
	23	
	OK Close	

Next, we will select all the units that will be part of the group and click on the right arrow icon, the units that are displayed in the box on the right are the ones that will be part of the same group;

NetLink	×
<1> AVIATOR 115-A	
<2> AVIATOR 115-A	
<3> AVIATOR 115-A	
<4> AVIATOR 115-A	
<5> AVIATOR 115-A	
<6> AVIATOR 115-A	>>
<7> AVIATOR 115-A	~~
<8> AVIATOR 115-A	
<9> AVIATOR 115-A	
<10> AVIATOR 115-A	
<11> AVIATOR 115-A	
<12> AVIATOR 115-A	
OK	Close

We will press "**OK**" button, which will cause the following dialog box to appear, in which we can modify the name of the created group, as well as different parameters of it;

🚥 Net group setting				
TitleName: MainDevice:	Factory			
Link Mode:	● Sync ○ Async ✓ Synchronous main device data			
IN	PUT	OUTPUT		
□-♥ Input ♥ Delay ♥ Gain ♥ Phase ♥ NoiseGa ♥ PEQ	le	□- ♥ Output ♥ Delay ♥ Delay ♥ Phase ♥ HPF ♥ Clip ♥ LPF ♥ PEQ		
	ОК	Close		

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<1> - AVIATOR-115-A	
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<9> - AVIATOR-115-A	
<10> - AVIATOR-115-A	
<11> - AVIATOR-115-A	
<12> - AVIATOR-115-A	

By pressing "**OK**" button in the previous step, the group creation process will be completed. In the menu on the left we can see that all the selected units are already part of the same group.

DSP. Selecting presets in the unit itself

It is possible to select stored presets in the DSP unit, directly from the AVIATOR 115 A amplifier. To do this, follow the following steps:

1. Connect the system to the mains and put the switch button in ON position.

2. Move the preset selector to select the desired preset.

The factory presets included are the following:

- Preset nº1: MUSIC; ideal for playing live music.
- Preset nº2: VOCAL; specific for voice.
- Preset nº3: DJ; ideal for playing recorded music.
- Preset nº4: to combine AVIATOR 115 A with AVIATOR S 115 A.
- Preset nº5: to combine AVIATOR 115 A with AVIATOR S 118 A.

