

Quick User Guide

SOUND4 Playout ULA8

Universal LAN Audio over IP Playout Card

→ **BEFORE YOU USE THIS PRODUCT** ←

In order to be able to enjoy all the benefits of owning your new SOUND4 product, please verify first that the latest software and firmware release were installed.

Visit www.sound4.com/downloads for the most recent software and firmware downloads, prior the installation.

This Quick user guide will make the installation of SOUND4 quick and easy. Applying these principles, you can simplify the process and save yourself extra time and effort.

The screenshots used for the purposes of this manual, unless clearly indicated, are from SOUND4 Playlist ULA8. Please refer to the User manual for detailed information on how to configure and explore your device. We routinely release new versions to add features and fix bugs. Check the www.sound4.com web site for the latest information available.

STEP 1

Universal Installer

The Universal Products Installer is the complete installation kit for all SOUND4 Products. The program is provided free of charge and can be downloaded from www.sound4.com/downloads. Installation packages for MS Windows and Linux Ubuntu OS are available.

STEP 1.1

Windows users

Upon entering the section, click on and download Universal All Products Installer, additionally it is necessary to download Stream Extension, in order to add necessary encoders to the system. Once the process is completed install the .exe file. SOUND4's products are compatible with the Microsoft Windows Operating Systems listed below:

- Windows 7 - 32 & 64 bits
- Windows 8 - 32 & 64 bits
- Windows 10 - 32 & 64 bits
- Windows Server 2008 - R2
- Windows Server 2012
- Windows Server 2019 (except Core version)

IMPORTANT NOTE: Due to Microsoft security changes, your operating system must be up-to-date, if not SOUND4 Driver will be disabled by Operating System and you will be not able to run the SOUND4 Remote Control Software.

STEP 1.2

Linux Ubuntu OS

SOUND4 proposes you to install the software package under your own Ubuntu. Compatibility with Ubuntu distributions:

- Lucid Lynx - 10.04 LTS
- Precise Pangolin - 12.04 LTS
- Trusty Tahr - 14.04 LTS
- Xenial Xerus - 16.04 LTS
- Bionic Beaver – 18.04 LTS

Installation for a PC running compatible Ubuntu version:

- Click on the following link to add SOUND4 repository -
www.sound4.biz/repository/ubuntu/sound4-repository.deb

If you also want to install:

- Install the driver with following link: apt://sound4exp1?refresh=yes
- Install the SOUND4 server with following link: apt://sound4server
- Install the SOUND4 Stream with following link: apt://sound4stream
- And to install SOUND4 Remote Control, please use the following link: apt://sound4remote

If you prefer to manage package installation by yourself, please follow the instructions below:

1. Add the following source to your Ubuntu repository list (example for lucid) -
`deb http://www.sound4.biz/repository/ubuntu lucid non-free`
2. Then get the SOUND4 GPG signature key -
`wget -q http://www.sound4.biz/repository/sound4.gpg -O- | sudo apt-key add -`
3. Install required packages -
`sudo apt-get update && sudo apt-get install sound4exp1 sound4server sound4remote sound4stream`
4. Add the user to the audio group (needed for Alarm Stacker GUI) -
`sudo adduser $USER audio`
5. Log off and on to make the settings effective.

STEP 2

Connection

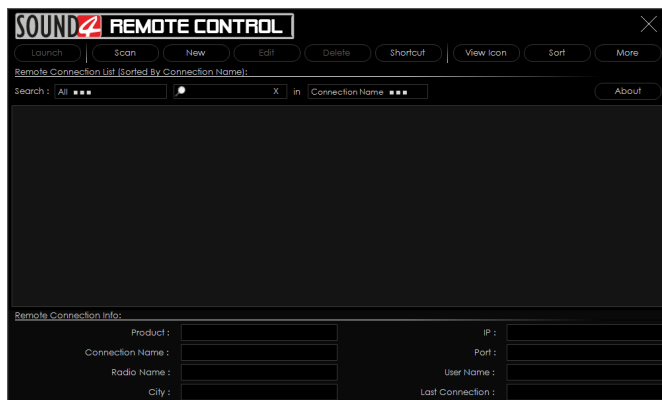
For the initial set-up of the device you will only need to do the following:

1. Take your new SOUND4 card out of the box, open your computer and insert the card into available PCI express slot. The card can be plugged into a full height PCI express slot type x1, x4, x8, x16.
2. Connect RJ45 network cable to the corresponding connector on the board in order for it to be properly integrated into your existing signal chain.



STEP 3

Software



Double click on the software will open the main control window. The Remote control software can maintain several devices at once. There are two options of adding a new device. Both are explained in details below.

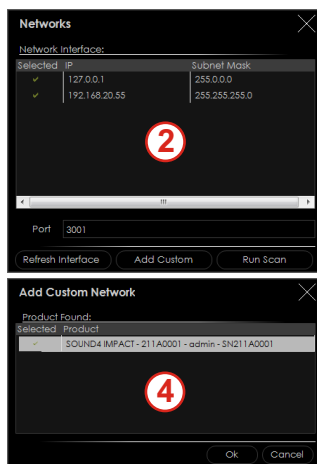
STEP 3.1

Scan interactive button

1. Press the [Scan] button;
2. A window with all network interfaces on the PC will appear. Select the IP address (the interface) on which the scan should be made, and press [Run Scan];
3. Wait until the scan is completed;

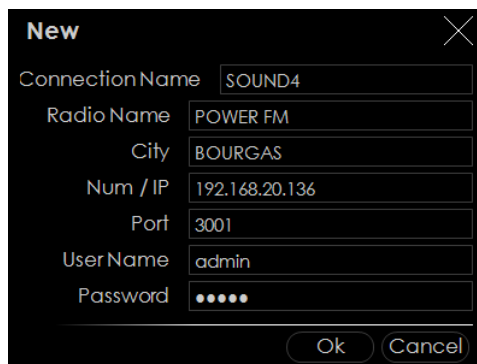


4. Upon completion, the Add Custom Network message will appear;
5. To add the device to the list, select the connection and press [OK];
6. The device will be added automatically (as depicted in **Step 3.2**). Double click on the icon will open the device's interface (**Step 3.3**). The default access credentials are user name: **admin** and password: **admin**



STEP 3.2**Add Device manually**

1. Press the [New] button.
2. A new screen requiring the following information will appear:

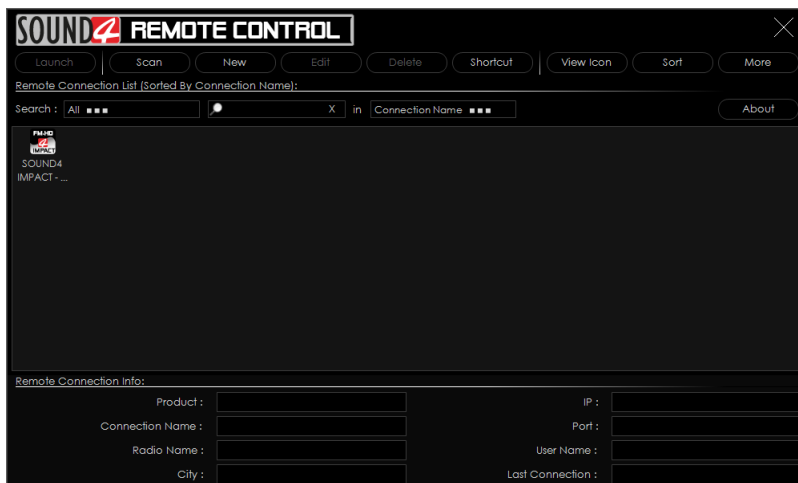


The 'New' dialog box contains the following fields and values:

Connection Name	SOUND4
Radio Name	POWER FM
City	BOURGAS
Num / IP	192.168.20.136
Port	3001
User Name	admin
Password	•••••

Buttons: Ok, Cancel

3. If you are not aware of SOUND4's IP address, it can be seen via the front panel. When the Main screen is on, press the soft button labeled [INFO]. Then using the [Up] and [Down] buttons navigate to IP (2/4) where the IP address of the device will be depicted.
4. Enter the required information. If not changed by the user, use the default value of the Port (3001). The username and password are as follows:
 - User name: **admin**
 - Password: **admin**
5. Press [OK]. A new device will be added. Double click on the newly added icon will open the control interface (**Step 3.3**).



The interface shows the 'SOUND4 REMOTE CONTROL' title bar and a menu bar with buttons: Launch, Scan, New, Edit, Delete, Shortcut, View Icon, Sort, More. Below the menu bar is a search bar with 'All' selected and 'Connection Name' as the search criteria. The main area displays a 'Remote Connection List (sorted By Connection Name):' with a single entry for 'SOUND4'.

Below the list is a 'Remote Connection Info:' section with the following fields:

Product :		IP :	
Connection Name :		Port :	
Radio Name :		User Name :	
City :		Last Connection :	

STEP 3.3

Successful Log-in

A successful log-in the system will open SOUND4 Playout ULA8 main control window:

VU	Name	On	Level	Fade In	Fade Out	Event	Pci1	Pci2	Pci3	Pci4	Pci5	Pci6	Pci7	Pci8	Lan1	Lan2	Lan3	Lan4	Lan5	Lan6	Lan7	Lan8
Pci1	1 - Playout 1	✓	0.00	0.00	0.00	Always									1							
Pci2	2 - Playout 2	✓	0.00	0.00	0.00	Always										1						
Pci3	3 - Playout 3	✓	0.00	0.00	0.00	Always											1					
Pci4	4 - Playout 4	✓	0.00	0.00	0.00	Always												1				
Pci5	5 - Playout 5	✓	0.00	0.00	0.00	Always													1			
Pci6	6 - Playout 6	✓	0.00	0.00	0.00	Always														1		
Pci7	7 - Playout 7	✓	0.00	0.00	0.00	Always															1	
Pci8	8 - Playout 8	✓	0.00	0.00	0.00	Always																1
Lan1	BOX1 @AUDIC	✓	12.00	0.00	0.00	Always	1															
Lan2		✓	0.00	0.00	0.00	Always		1														
Lan3		✓	0.00	0.00	0.00	Always			1													
Lan4		✓	0.00	0.00	0.00	Always				1												
Lan5		✓	0.00	0.00	0.00	Always					1											
Lan6		✓	0.00	0.00	0.00	Always						1										
Lan7		✓	0.00	0.00	0.00	Always							1									
Lan8		✓	0.00	0.00	0.00	Always								1								

STEP 4

License Upload

There are two options of loading a new license/s. Both are explained in details below.

STEP 4.1

Expired License

If your license has expired, a warning message " Your main license has expired! Please contact SOUND4 for renew your main license" will appear on the screen

To upload a new license follow the steps listed below:

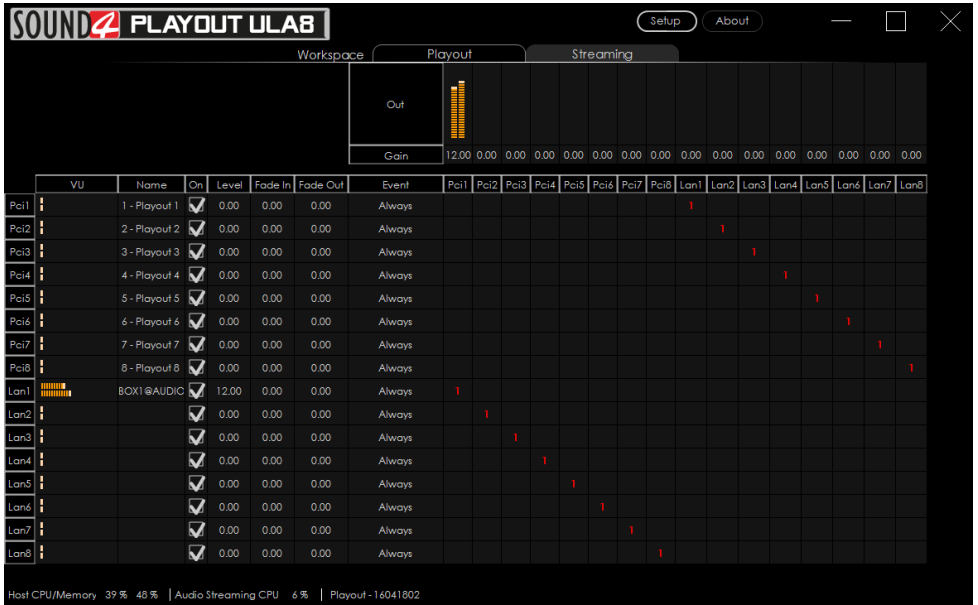
1. Press [OK]. The following screen will appear;
2. Press [License upload] and a new window requiring license file to be selected will open;
3. Go to the file directory, select the license and press [Open].

NOTE: All licenses are sent/provided in a ZIP file. It is not needed the file to be unzipped prior to their upload. They will be accepted by the program as they are.

License	Validity	Time left
AES47/LIVEWIRE+		

Version info: ---
IMPACT Version: 1.29
IMPACT Serial: 211A0001

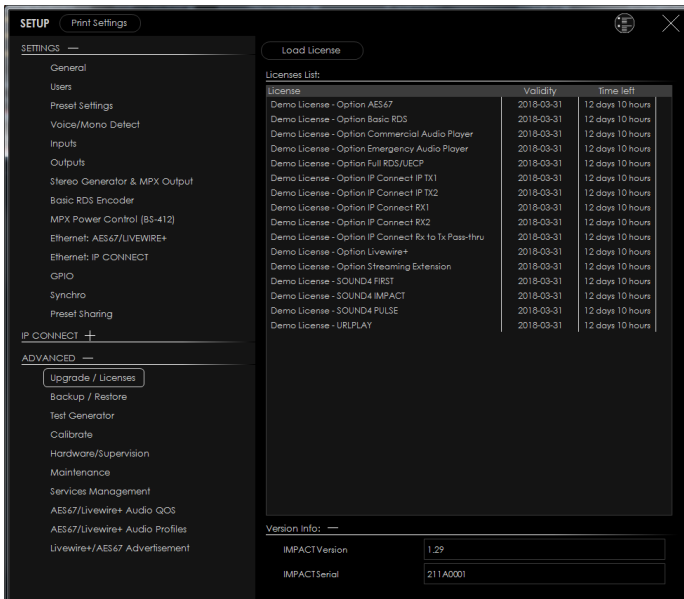
4. Wait until the licenses are loaded;
5. Once the process is completed, a notification message will appear;
6. Press [OK] and the Main control window will appear.



STEP 4.2

NEW License

1. Open the Main control window and click on [Setup]. The setup menu will appear;
2. Scroll down with the cursor to the ADVANCED settings and press Upgrade Licenses. The Following window will appear:



3. Press [Load Licenses];

4. Go to the file directory, select the license and press [Open].

NOTE: All licenses are sent/provided in a ZIP file. It is not needed the file to be unzipped prior to their upload. They will be accepted by the program as they are.

5. Wait while the licenses are loaded;

6. Once the process is completed, press [OK] and close the Setup window so that the Main control can appear.

STEP 5

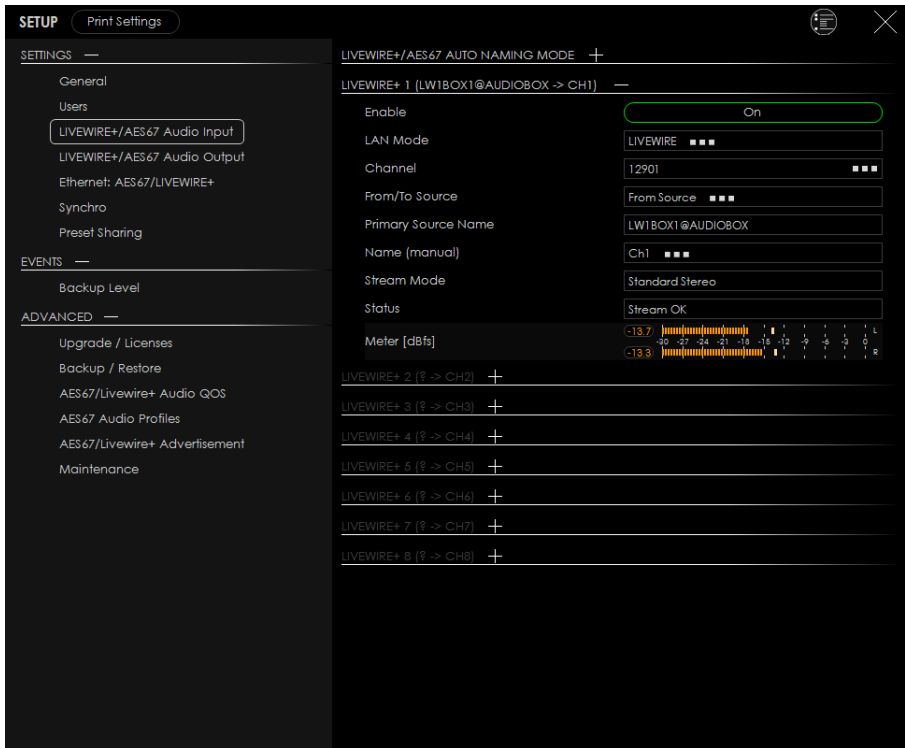
Device Basic Set-up

If not already done that, connect the network cable to the device in order for it to be properly integrated into your existing network.

STEP 5.1

Inputs and Outputs Set-up

The basic set-up of the inputs and outputs can be easily made via Inputs and Outputs section of the Setup menu.



The set-up process is different for each parameter, but quite simplified and explained in details below:

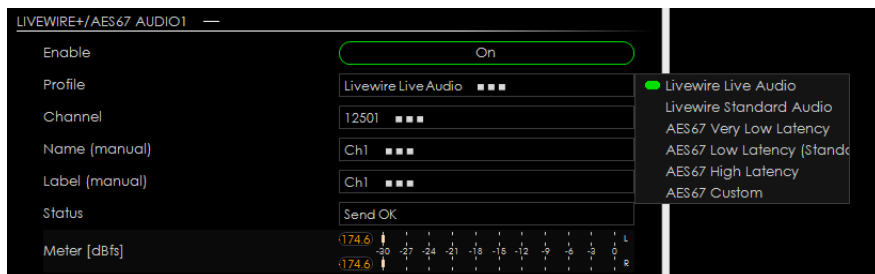
LIVEWIRE+/AES67 Inputs Set-up

1. Click on the audio inputs section;
2. Enable the input by selecting [ON] with a click;
3. Select LAN mode by clicking on [LIVEWIRE ...];
4. Define number of the Channel;
5. Select From/To Source mode;
6. Define the Name manually if necessary.



Livewire+/AES67 Outputs Set-up

1. Click on the name of the desired Output;
 2. The respective set-up window will appear. Apply the desired settings and press [X]. The changes will be automatically saved.
- Enable the input by selecting [ON] with a click;
 - Select LAN streaming profile mode;
 - Define number of Channel;
 - Define Name and the Label.



STEP 5.2**Playout Matrix Setup**

In the main control window define the PCI inputs names, inputs and outputs levels and gains, control events and priorities of the sources.

The screenshot shows the SOUND4 PLAYOUT ULAB software interface. At the top, there are 'Setup' and 'About' buttons. Below them are tabs for 'Workspace', 'Playout', and 'Streaming'. The 'Playout' tab is active, showing a 'Gain' row with values: 12.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00, 0.00. Below this is a table with columns for VU, Name, On, Level, Fade In, Fade Out, Event, and PCI/LAN inputs (Pci1-Pci8, Lan1-Lan8). The 'On' column has checkboxes, and the 'Level' column has numerical values. The 'Event' column has 'Always' for all rows. The matrix cells contain '1' to indicate connections between inputs and outputs.

	VU	Name	On	Level	Fade In	Fade Out	Event	Pci1	Pci2	Pci3	Pci4	Pci5	Pci6	Pci7	Pci8	Lan1	Lan2	Lan3	Lan4	Lan5	Lan6	Lan7	Lan8
Pci1		1 - Playout 1	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always									1							
Pci2		2 - Playout 2	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always										1						
Pci3		3 - Playout 3	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always											1					
Pci4		4 - Playout 4	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always												1				
Pci5		5 - Playout 5	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always													1			
Pci6		6 - Playout 6	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always														1		
Pci7		7 - Playout 7	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always															1	
Pci8		8 - Playout 8	<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always																1
Lan1		BOX1@AUDIC	<input checked="" type="checkbox"/>	12.00	0.00	0.00	Always	1															
Lan2			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always		1														
Lan3			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always			1													
Lan4			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always				1												
Lan5			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always					1											
Lan6			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always						1										
Lan7			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always							1									
Lan8			<input checked="" type="checkbox"/>	0.00	0.00	0.00	Always								1								

Host CPU/Memory 39% / 48% | Audio Streaming CPU 6% | Playout - 16041802

Thank you for choosing SOUND4!
 If you need any assistance on our side, please visit: www.sound4.com