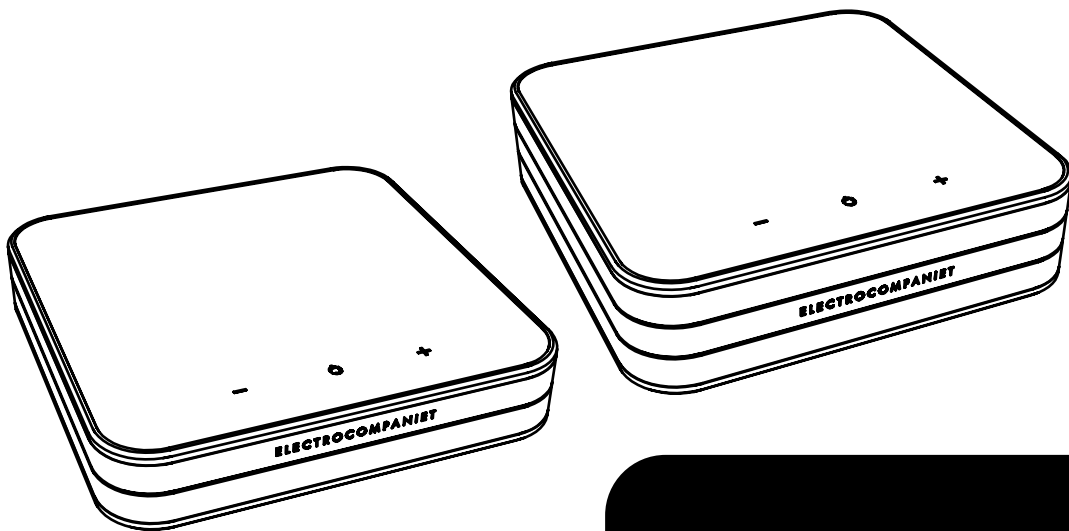


**EC LIVING**  
BY ELECTROCOMPANIET

EN | ENGLISH



## RENA S2 / SA2

Wireless audio streamer / Amplifier

**OWNER'S  
MANUAL**

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# FIRST TIME SETUP : RENA S2/SA2

The system supports multiple ways of doing the first time setup:

## RECOMMENDED

1. Initial setup based on Ethernet cable connection.

(Go to page 4)



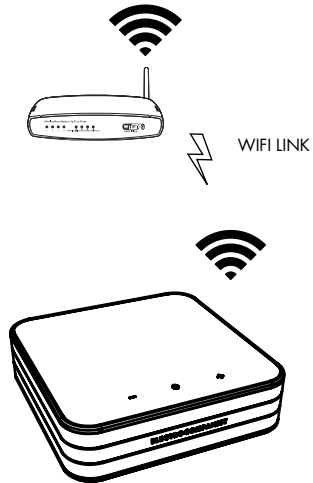
If you don't have access to a router or can't connect the system using an Ethernet cable, please go to page 9 to set up the system

OR

## ALTERNATIVE SETUP

2. Initial setup based on Wireless connection

(Go to page 7)



# INITIAL SETUP PROCEDURE WITH A CABLE CONNECTION

*The first time you set up your EC LIVING RENA SA 2/ S2*

## RECOMMENDED

### Download the "EC PLAY" App

The free App is available at the Apple store or Google Play. Search for: "EC PLAY" or "Electrocompaniet"



OR

## ALTERNATIVE

Use your Windows PC, Mac or Linux computer with a web browser.

## Connect to your router

In order to establish a network connection you have to use a LAN cable which connects your RENA S2/SA2 to the local network, or directly to your router.

*\*LAN cable is not included.*

*Please use any standard RJ45 cable.*

## Connect the power cable

Power up the RENA S2/SA2 by connecting the power cables included in the box.



*After connecting the power and network cable, it is a good idea to wait about 15 minutes for any software updates to be installed.*

# SETTING UP THE RENA S2/SA2

## FOLLOW THE ON-SCREEN INSTRUCTIONS

### RECOMMENDED

#### Start your "EC PLAY" App

As long as you have downloaded the App following the previous instructions, you will find the App where you normally find other Apps on your device.

1. Start the App.
2. Press the "setup a new system" in the app. Follow the on-screen instructions in the app to setup your system.

### ALTERNATIVE

#### Use a web browser

Enter the address of your EC Living system in the web browser.

If you are using a Mac or Linux machine, this will be "RENA-<number>.local". Where <number> are the last 4 digits of the serial number, excluding leading zeros (e.g. "RENA-565.local").

OR

On a PC, please enter the system's IP address. You may find this address in your router, by referencing the EC Livings MAC address. Please follow your router manufacturer's instructions for finding an IP address given a MAC address.

**You are done, tap Continue to complete**

You have now completed the setup of your system.  
For test, please select **Radio** from the main screen.  
Select *Top100* stations and pick a station to test the system.

# ENABLING WIRELESS CONNECTION

*This step is only necessary if you want the system connected to your wireless network. If you want to continue using wired connection (LAN cable), simply skip this page. (We recommend using wired connection if possible to reduce Wi-Fi traffic and achieve best possible stability for the system.)*



Please note that there is no benefit in using both wireless and cabled connections. Use one or the other

## **Wireless network setup:**

1. Start the EC PLAY App.
2. Tap **MORE button** at the bottom right menu.
3. Tap **NETWORK**.
4. Scroll down and tap **CONFIGURE WIFI**.
5. Select your wireless network. (Mobile/tablet must be on the same network)
6. Enter your password, tap "Join" or "OK"
7. Remove the LAN cable and wait until the Rooms button appear.  
Tap Room and reselect your RENA S2/SA2.



*If you loose connection with the system, reconnect the network cable and check your network password carefully.*

# PERFORMING THE INITIAL SETUP WIRELESSLY

*The first time you set up your EC LIVING RENA S/SA2*

## RECOMMENDED

### Download the "EC PLAY" App

The free App is available at Apple store or Google Play. Search for: "EC PLAY" or "Electrocompagniet"



OR

Use your Windows PC, Mac or Linux computer with a web browser.

### Connect the power cable

Power up the RENA S2/SA2 by connecting the power supply included in the box. Before continuing, check that you have a glowing green light at the top of the RENA.

## RECOMMENDED



### iOS Apple devices:

1. Start the EC Play app, and choose "setup a new system".
2. Choose the Rena when it pops up and connect it to your chosen network.
3. Wait for EC play app to finish the setup.



### Android devices:

1. Go to settings -> WiFi
2. Select the system access point in your Wi-Fi settings. The access point will be named after your system and serial number. For example, "RENA-10",
3. Start the EC PLAY App and follow the instructions ( page 6 )

OR

# RENA SA2: CONNECTING THE SPEAKERS

*Prior to connecting your speakers, ensure that you position them in their designated spot and verify that the amplifier is disconnected from an AC (mains) power source.*

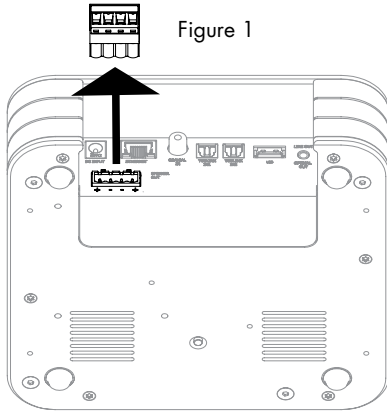
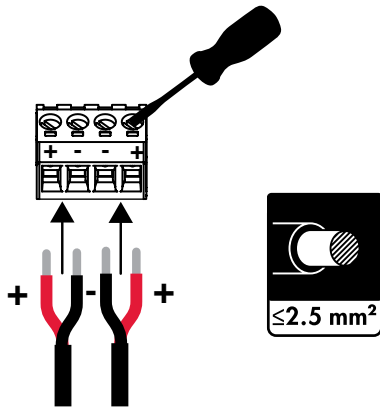


Figure 1

1. Detach speaker terminal ( figure 1 ) from the SPEAKERS OUT port.



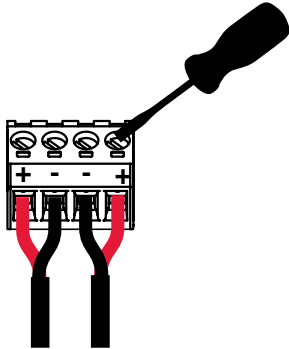
2. Please follow the steps below to connect the speaker wires to terminal ( figure 1 ):

a. Insert the marked wire from the left speaker into the positive terminal (Left +) and insert the plain wire into the negative terminal (Left -).

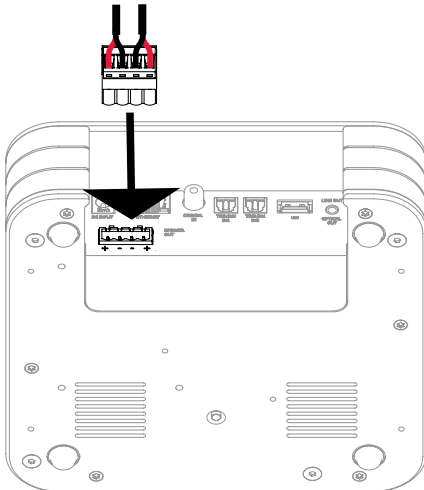
b. Insert the marked wire from the right speaker into the positive terminal (Right +) and insert the plain wire into the negative terminal (Right -).



## RENA SA2: CONNECTING THE SPEAKERS



3. Utilize a small, flat-head screwdriver to securely fasten the screws on the terminals by turning them clockwise.



4. Insert the terminal ( figure 1) firmly back into the SPEAKERS OUT socket.

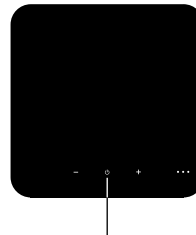
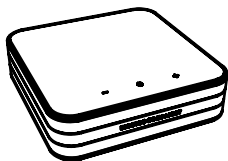
5. Attach the other end of the speaker wires to your speakers.  
Consult the online owner's guide specific to your speaker for detailed instructions.

# TANA L1/ L2, SIRA L1 SET UP: PAIRING THE SPEAKERS

To complete this procedure you will need a streamer (RENA S2/SA2).

## Check if the streamer is ON

If not, turn on RENA S/SA2, before proceeding to the next step.

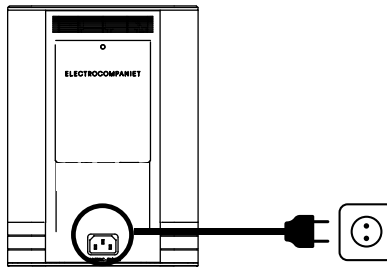


Power indicator



## Connect the power cable

Power up the TANA L1/L2 or SIRA L1 by connecting the power cable included in the box. Before continuing, check that you have a glowing Standby logo, on top of the unit.



## Pair TANA L1/L2 or SIRA L1 Add-on Speaker

Start you preinstalled "EC PLAY" App.

Go to **More** -> **Speakers & Outputs** -> **Tap on the "Edit Configuration" button** and position your speakers for STEREO setup or 2.1 setup with a SIRA L1 Subwoofer.

Tap on any speaker to play a test tone. If speakers are missing, tap on **"Find new Wireless Speakers"** to search for it, then repeat this step from the beginning.

# ADDITIONAL SERVICES INSTRUCTIONS

## How to use Spotify Connect



*A better way to listen at home. Listen on your speakers or TV, using the Spotify app as a remote. Enjoy the music together.*

How to use  
Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify.  
Go to [spotify.com/connect](https://spotify.com/connect) to learn how.


## How to use Tidal Connect



*Stream your favorite music seamlessly from the cloud straight to your devices.*

**Option 1:** Open the EC Play app and press on Tidal Connect at the Browse screen (Tidal App has to be preinstalled on your device.)

**Option 2:** In the TIDAL app, open the “Now Playing” screen while playing a song.

2. On the “Now Playing” screen, look for the  icon.

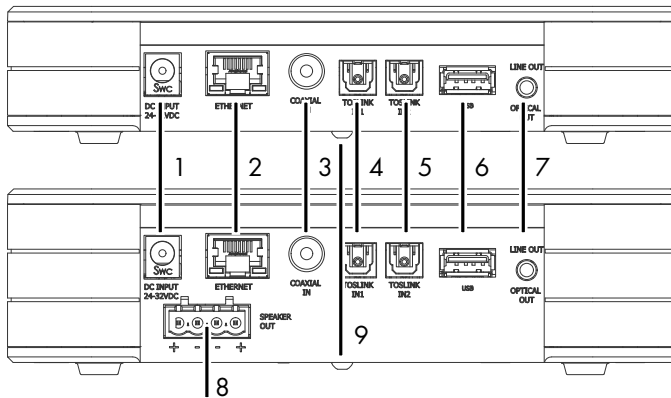
3. Choose a TIDAL Connect enabled device from the list. It’s that simple.

## ENABLING Bluetooth®

*To enable Bluetooth pairing, hold the power button at the top of the unit for 5 seconds. The red LED will start flashing and a beeping sound is heard in the speaker, indicating the unit is in pairing mode. Go to the Bluetooth settings on your phone or tablet to find and pair the unit. Subsequent Bluetooth connections from the same unit does not require pairing. Pairing can also be enabled from inside the app under More - Bluetooth.*



# REAR PANELS OVERVIEW



- 1.** Power Socket
- 2.** Gigabit Ethernet (RJ45)
- 3.** COAX S/PDIF digital Input
- 4/5** TOSLINK S/PDIF digital Input
- 6.** USB Port (HDD, Memory stick)
- 7.** Combined Optical out + Line out
- 8.** Speakers out
- 9.** Reset button ( at the bottom ).

## SUPPORTED PROTOCOLS

All audio streamers are fully wireless including the connection to add-on speakers and/or subwoofers. They all support the protocols below:

- Apple® AirPlay 2
- Tidal® Connect
- Spotify® Connect
- Qobuz®
- Roon Ready®
- Audirvana®
- Internet Radio
- Bluetooth®
- SMB
- NFS
- USB storage
- DLNA/UPnP renderer



***This list is continually expanding. This guide contains information that is subject to change without notice. Please refer to our website for the latest updates: [electrocompaniet.com](http://electrocompaniet.com)***

# TECHNICAL SPECIFICATIONS

## RENA SA2

### DAC

- DAC 192kHz/24bit
- 32-bit floating-point DSP

### Amplifier

- 2 x 75 Watt Class D amplifier

### ENCLOSURE

- Solid metal enclosure

### WIRELESS CONNECTIONS

- Advanced 802.11 AC WiFi with MIMO
- 96 kHz/24bit wireless speaker connection
- WiSA® Certified

### CONNECTIONS

- 1 x Gigabit Ethernet (1000Mbps)
- 2 x Optical input
- 1 x Coax input
- 1 x Combined line out+optical out
- 1 x USB for external storage
- 1 x DC Input
- 2 x Speaker output

### STREAMING FEATURES:

- Apple Airplay 2
- Spotify Connect
- TIDAL Connect
- Qobuz
- Roon Ready
- Audirvana
- Internet Radio • Bluetooth

### SUPPORTED FORMATS:

- All popular formats including: WAV/WAVE, MP3, AAC+, Vorbis, AC3, DTS, ALAC, FLAC, APE, WMA, up to 192kHz/24bit, DSD, up to DSD 128 (5.6 MHz)

### DIMENSIONS:

- W180mm x L 180mm x H 49 mm
- Weight: 1,8 kg

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## RENA S2

### DAC

- DAC 192kHz/24bit
- 32-bit floating-point DSP

### ENCLOSURE

- Solid metal enclosure

### WIRELESS CONNECTIONS

- Advanced 802.11 AC WiFi with MIMO
- 96 kHz/24bit wireless speaker connection
- WiSA® Certified

### CONNECTIONS

- 1 x Gigabit Ethernet (1000Mbps)
- 2 x Optical input
- 1 x Coax input
- 1 x Combined line out+optical out
- 1 x USB for external storage
- 1 x DC Input

### STREAMING FEATURES:

- Apple Airplay 2
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- Qobuz
- Roon Ready
- Audirvana
- Internet Radio
- Bluetooth

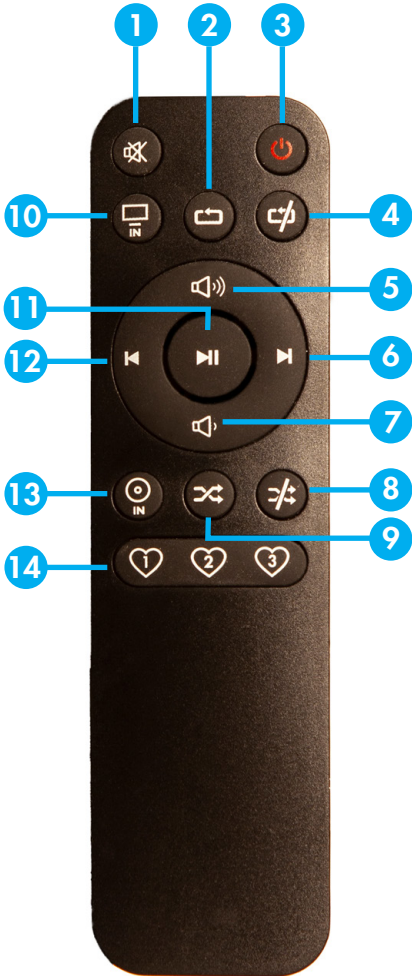
### SUPPORTED FORMATS:

- All popular formats including: WAV/WAVE, MP3, AAC+, Vorbis, AC3, DTS, ALAC, FLAC, APE, WMA, up to 192kHz/24bit, DSD, up to DSD 128 (5.6 MHz)

### DIMENSIONS:

- W180mm x L 180mm x H 35 mm
- Weight: 1,6 kg

# REMOTE CONTROL OVERVIEW



1. Mute
2. Repeat track ON
3. Standby/Power
4. Repeat track OFF
5. Volume UP
6. Next track
7. Volume DOWN
8. Shuffle tracks OFF
9. Shuffle tracks ON
10. Toslink 1 - TV input
11. Play / Pause
12. Previous track
13. Coax input 1 - CD input
14. Favourite buttons

## Battery

The remote control uses one included CR2032 battery. Before first time use of the remote control, please remove the internal plastic liner under the rear battery cover by pulling the protruding tab.

When replacing the battery please rotate the battery cover counterclockwise and carefully observe the correct polarization of the battery before inserting a new battery. Please remove the battery when the remote control is not used for a prolonged period of time.

## BLUETOOTH REMOTE PAIRING SETUP

1. Remove the plastic battery protector on the rear side.
2. Start the EC Play App .
3. Go to “... more” -> “**Bluetooth**” and enable “**Pair remote control**”
4. Press and hold for a 2-3 sec. the **TV/IN** and **Standby/Power** buttons on the remote control.
5. Check that remote control is now listed in a Bluetooth “**Connections**” menu.

## Favourite buttons programming

- Start the EC Play App .
- Add radio stations and /or library playlists to your favourites.
- Go to “... more” -> “**Preferences**” -> “**Remote control**”.
- Assign a Radio station or Library playlist to the specific favourite button.

## Products compatibility list:

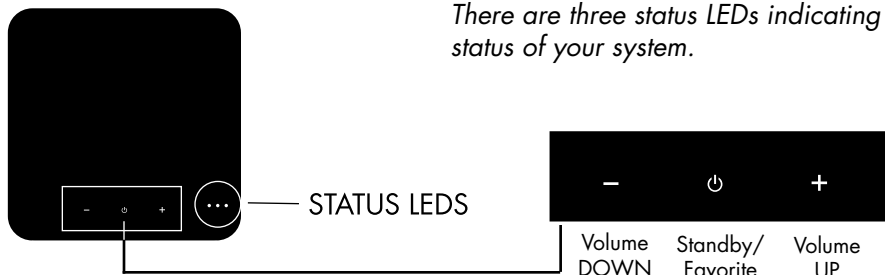
TANA SL1 Wireless speaker, TANA SL2 Wireless speaker, RENA SA1 Wireless streamer/amplifier, RENA S1 Wireless streamer, RENA SA2 Wireless streamer/amplifier, RENA S2 Wireless streamer

## Troubleshooting:

Symptom	Indicator	Corrective actions
Problem with pairing	Red	1. Check that the plastic battery protector is removed 2. Hold the pairing buttons <b>TV/IN</b> and <b>Standby</b> for longer time. 3. Stay closer to a streamer
Remote doesn't respond	Red	1. To completely reset the Bluetooth remote, first unpair the remote from the unit in the EC Play App, then remove the battery and keep it disconnected for at least 15 seconds. 2. Start a pairing procedure again.

## RENA S/SA 2 STATUS INDICATORS

*There are three status LEDs indicating the status of your system.*




### RENA SA2 /S2


	<b>System state</b>	<b>Led state</b>	<b>Colour</b>
	Start-up	Flashing fast, then on only for 10s	Green
	Scanning library	Flashing slow. Will turn off when the scanning is completed	Green
	No network	Solid	Orange
	Updating DSP firmware	Heartbeat blink pattern	Orange
	Connecting to paired speakers	Flashing slow	Orange
	Overtemperature	Flashing fast	Red
	Recovery	Solid	Red
	Recovering USB	Solid	Green/Red
	Ready for Airplay WAC setup	Solid	Green
	Bluetooth pairing	Flashing fast for 1 minute	Red
	Remote control indicator	Flashing on each button press	Red



## TIPS AND TROUBLESHOOTING

### Streaming from Apple devices

On Apple devices, it is possible to stream all audio from your iPhone/iPad to the EC Living via “AirPlay”. This is represented by this symbol .

We recommend to **not** use “AirPlay” when playing from Spotify and Tidal. For Spotify, use Spotify connect, as represented in the Spotify App by the device icon:  For Tidal use Tidal connect.

This will allow EC Living to stream directly from the internet, which optimizes the bandwidth, and saves battery life on your iPhone/iPad.

### Connecting to WiFi

We recommend that the EC Living has a link quality of minimum 70%, and better than 40 Mb/s link speed. This can be verified in our App, in the More -> Network menu. Higher link quality and speed is recommended for a better user experience. We recommend a wireless AC router with MIMO technology for maximum performance.

### Resetting your system

If your system acts strangely, it can be reset to its default settings by pressing the RESET button under the unit ( see illustration “rear panel overview at the page 12”) The yellow led will blink a few times, after which the green led on top of the unit will start to blink. The unit will have restarted into the initial setup and you can then follow the steps in this manual.

To fully reset the software of the system, please go to Firmware and Software chapter under support on [www.electrocompaniet.com](http://www.electrocompaniet.com) and follow the instructions for software download.

### “SET UP with Apple iOS phone or tablet”

Rena streamers can wirelessly be setup from within the EC Play app if you have an iOS® phone or tablet, with Apple Wireless Accessory Configuration. When the Rena S2/SA2 is powered up for the first time and not connected to the network with a cable, the yellow led lights up, indicating the unit is not connected to any networks. After 15 seconds, green LED lights up indicating the unit is ready for setup with WAC. Make sure the phone or tablet is connected to the wireless network you want the Rena to be connected to.

Open the EC Play app and tap the “setup a new room”. The Rena will be visible, choose it. now you can choose which network the Rena should connect to. (The default is the network you phone, or tablet is connected to). Choose the network and tap “continue”. After the wireless settings are transferred to the speaker, it will connect to the wireless network and be ready for use.

# LICENSES AND TRADEMARKS

Spotify is a registered trademark of Spotify AB.

The Spotify Software is subject to third party licenses found here:  
<https://www.spotify.com/connect/third-party-licenses>

Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Android™ is a trademark of Google, Inc.

Apple, AirPlay, iPad, iPad Air, iPad Pro, and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Tidal is a registered trademark of TIDAL MUSIC AS.

Qobuz is a registered trademark of XANDRIE SA.

All other products and services mentioned may be trademarks or service marks of their respective owners.

## Copyright Protection

Reverse engineering or disassembly is prohibited. Part of the software is open-sourced under the GPL license. Please contact us for availability.

# SERVICE AND SUPPORT

Your dealer will have all relevant information regarding the service centers in your area, and will ensure that your unit is serviced with minimum delay. It is our general policy to have your unit returned to you within five working days. This is an average time, and can vary locally, depending on the workload at that particular service station. If, for some reason there are no service facilities available in your country, please ship the unit to the following address:

Electrocompaniet AS,  
Teknologivegen 2,  
4120 Tau,  
Norway  
Web: [www.electrocompaniet.com](http://www.electrocompaniet.com)

**Service and support department: <http://support.electrocompaniet.com/>**

The end user is responsible for all shipping charges, insurance, re-importation and duty charges. When shipping a product to the factory for service, always include the following:

1. A sales slip or other proof of purchase if repair is claimed under warranty.
2. A proforma invoice with value of goods, stating that the RENA S2/SA2 is returned to Norway for repair.
3. An accompanying letter describing faults, symptoms, or problems with the unit.
4. Always ship the unit in its original carton and packaging material to prevent damage in transit.

Electrocompaniet will not cover damages incurred in transit. If you require further information concerning the operation of the unit, or if you have any questions related to service, please do not hesitate to contact your dealer or your national distributor.

## **Warning!**

To avoid risk of fire or electric shock, do not expose this appliance to rain or moisture.  
Verify line voltage before use.

Do not remove top cover. No user serviceable parts inside.

Refer servicing to qualified service personnel.

The warranty is void if the product is tampered with by non-authorized personnel.

Use only authorized Electrocompaniet service center.



ELECTROCOMPANIET  
If music *really* matters™

Designed and produced in Norway

[www.electrocompaniet.com](http://www.electrocompaniet.com)

REV 1.2 2024