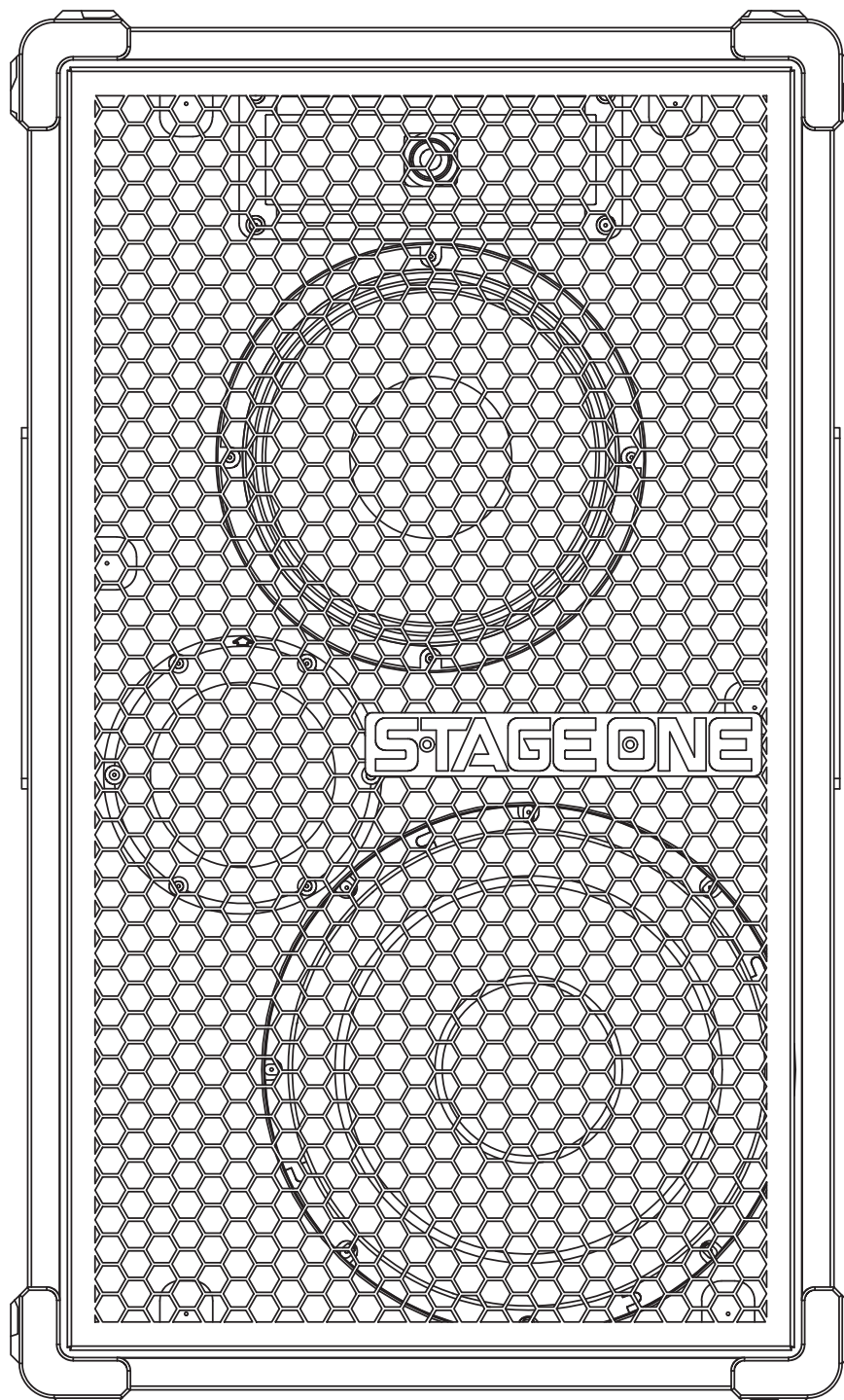


STAGE ONE

PRO FOR THE PEOPLE

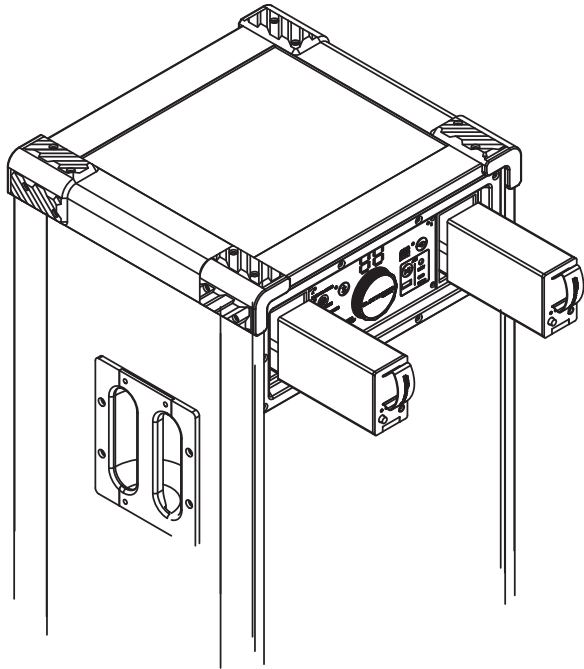
USER MANUAL



ELECTROTEC
AUDIO

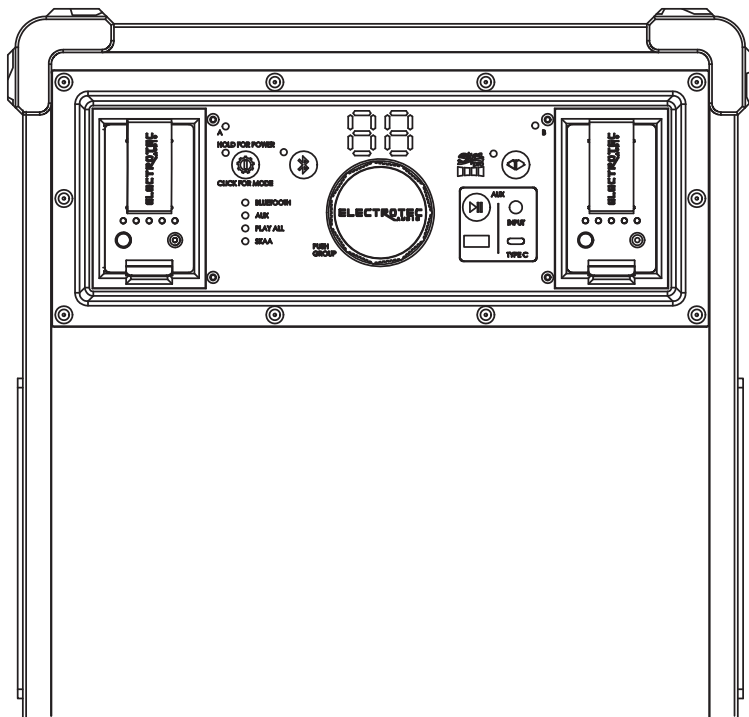
STAGE ONE

QUICK-START GUIDE



Batteries are shipped upside down for safety. Flip batteries and insert batteries into battery bays & plug in rapid charger (if needed).

PLEASE NOTE: Batteries are shipped with 25% charge in accordance to shipping regulations. Please charge batteries for maximum playtime.



1. Hold power button for 2 seconds to power on.
2. Tap power button to select your input.
3. Connect your device or gear.
4. Enjoy your music.

To access more advanced features of the Stage One speaker, please download the Electrotec Audio cmd app.



STAGE ONE

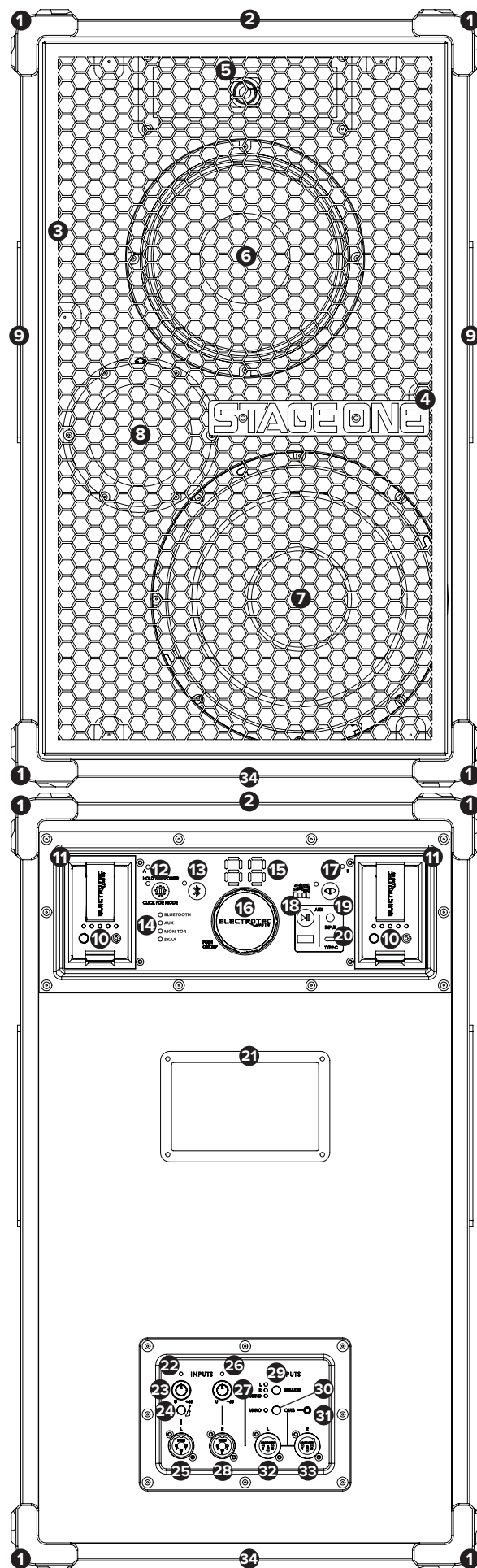
OVERVIEW

- SILICONE CORNERS ❶
- PHENOLIC COVERED BIRCH CABINET ❷
- STEEL GRILL ❸
- REMOVEABLE STAGE ONE BADGE ❹
- 1" COMPRESSION DRIVER TWEETER ❺
- 8" MID-RANGE DRIVER ❻
- 10" BASS WOOFER ❼
- TUNED BASS PORT ❽
- SIDE HANDLES ❾

- HIGH PERFORMANCE BATTERY(S) ❿
- BATTERY BAY(S) ⓫
- POWER/GEAR BUTTON ⓬
- BLUETOOTH PAIRING BUTTON ⓭
- MODE INDICATOR ⓮
- VOLUME LEVEL INDICATOR ⓯
- VOLUME CONTROL ⓰
- BOND BUTTON ⓱
- USB MP3/WAV PLAYER & BUTTON ⓲
- 3.5mm STEREO INPUT ⓳
- USB TYPE-C CHARGE AND PLAY ⓴

- STAGE ONE SERIAL NUMBER ⓴

- LEFT CHANNEL PEAK SIGNAL/LIMIT LED ⓴
- LEFT CHANNEL GAIN CONTROL ⓴
- LEFT CHANNEL HI-Z SWITCH ⓴
- LEFT CHANNEL COMBO XLR/TRS INPUT ⓴
- RIGHT CHANNEL PEAK SIGNAL/LIMIT LED ⓴
- RIGHT CHANNEL GAIN CONTROL ⓴
- RIGHT CHANNEL COMBO XLR/TRS INPUT ⓴
- AUDIO ROUTING ⓴
- MONO WIRED OUT BUTTON ⓴
- 3.5mm STEREO OUT ⓴
- LEFT XLR LINE LEVEL OUT ⓴
- RIGHT XLR LINE LEVEL OUT ⓴
- POLE MOUNT ⓴



STAGE ONE

INDEX

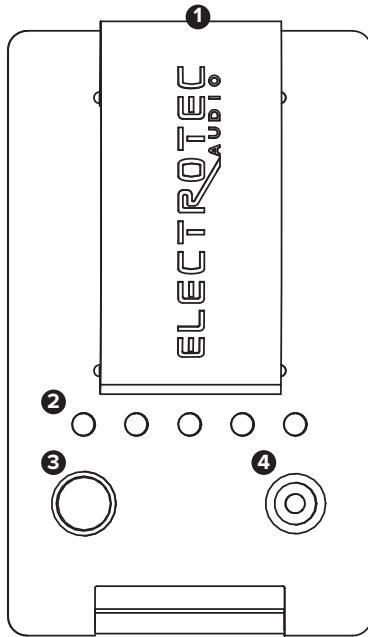
FEATURES & MODES:

SECTION	PAGE
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2. Volume & Group Rotor Control	1
3. Modes:	2
3.1 Bluetooth	2
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4. Channel Selector	3
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7. SKAA Receiver User Guide	5

STAGE ONE

1

1. HOT SWAPPABLE BATTERIES
2. VOLUME & GROUP ROTOR CONTROL



- 1 PULL STRAP
- 2 POWER LEVEL INDICATORS
- 3 POWER LEVEL BUTTON
- 4 POWER SUPPLY CHARGING PORT

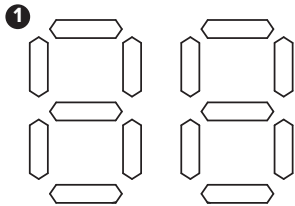
THE HIGH PERFORMANCE BATTERIES POWER UP THE STAGE ONE AND PROVIDE POWER TO THE SYSTEM. WHEN BOTH BATTERIES ARE IN THE STAGE ONE, THE STAGE ONE WILL DRAW FROM ONE BATTERY UNTIL IT REACHES APPROXIMATELY 18%, THEN WILL SWITCH TO THE NEXT BATTERY WITHOUT ANY INTERACTION.

YOU CAN ALSO SWITCH BETWEEN BATTERIES MANUALLY BY DOUBLE TAPPING THE POWER BUTTON.

BATTERIES ARE HOT SWAPPABLE AND CAN BE REMOVED FROM THE STAGE ONE WHILE IN USE WITHOUT INTERRUPTION AS LONG AS ONE BATTERY REMAINS IN THE STAGE ONE.

CHARGING THE BATTERIES CAN BE DONE WHILE THE BATTERY IS IN THE STAGE ONE, OR WHEN IT IS OUTSIDE THE STAGE ONE.

PLEASE NOTE: THE CHARGER WILL ONLY CHARGE THE BATTERY THAT IS CONNECTED TO THE CHARGER.



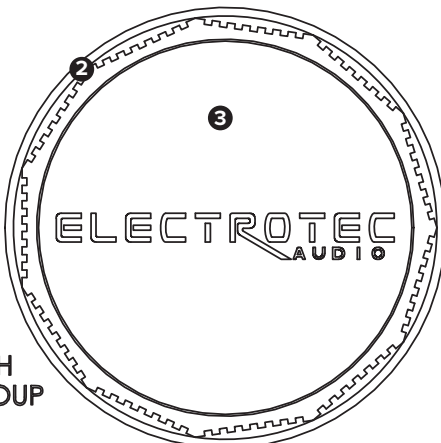
- 1 VOLUME LEVEL INDICATOR
- 2 ROTARY ENCODER VOLUME DIAL
- 3 GROUP VOLUME PUSH BUTTON

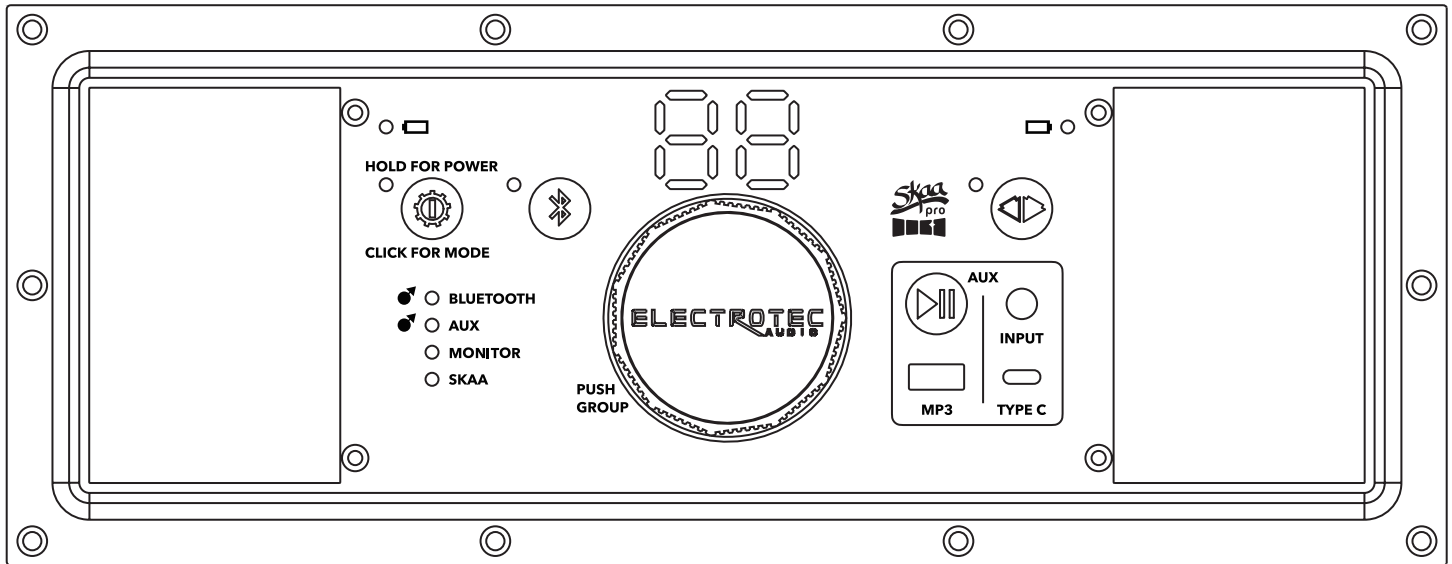
ALL 30 VOLUME STEPS HAVE BEEN TUNED TO PROVIDE MAXIMUM OUTPUT AND CLARITY AT ANY VOLUME LEVEL. THERE ARE TWO VOLUME CONTROLS ON THE STAGE ONE. THE FIRST VOLUME ADJUSTMENT IS THE ROTARY DIAL. THE SECOND ADJUSTMENT IS THE GROUP VOLUME PUSH BUTTON.

THE ROTARY ENCODER DIAL WILL CONTROL THE STAGE ONE VOLUME. BLUE LED LEVEL WILL CONTROL LOCAL VOLUME AND THE ORANGE LED OR GROUP VOLUME PUSH BUTTON WILL CONTROL THE BONDED SKAA STAGE ONE SPEAKERS OR COMPATIBLE SKAA SPEAKERS.

BOTH VOLUMES CAN BE ADJUSTED INDEPENDENTLY ALLOWING YOU TO ADJUST EACH STAGE ONE WHILE CONTROLLING THE GROUPS MAX VOLUME.

PUSH
GROUP





POWER ON THE STAGE ONE BY PRESSING AND HOLDING THE POWER BUTTON FOR 2 SECONDS. TO SWITCH BETWEEN MODES TAP THE POWER BUTTON UNTIL YOU SELECT YOUR DESIRED MODE. THERE ARE 4 BASIC MODES: BLUETOOTH* (default), AUX, MONITOR (kareoke) AND SKAA. BLUETOOTH AND AUX MODES ARE SKAA RELAY MODES WHICH TRANSMITS THE SKAA SIGNAL TO OTHER SKAA ENABLED PRODUCTS GIVING YOU A TOTAL OF 5 SPEAKERS (ONE HUB AND 4 SATELLITES) BONDED TOGETHER IN SKAA MODE OR 3 SPEAKERS (ONE HUB AND TWO SATELLITES) BONDED IN PRO MODE.

3.1 BLUETOOTH MODE (SKAA RELAY):

THIS MODE IS THE DEFAULT MODE. IN THIS MODE IT SHOULD BE DISCOVERABLE BY YOUR DEVICE. SEARCH FOR "STAGE ONE" AND PAIR. IF YOU NEED TO PAIR ANOTHER DEVICE, YOU CAN HOLD THE BLUETOOTH BUTTON FOR 3 SECONDS TO ENABLE DISCOVERY MODE.

3.2 AUX MODE (SKAA RELAY):

WHEN IN AUX MODE, BOTH AUX AND LOWER INPUTS ARE ENABLED. IN THIS MODE YOU CAN USE THE USB MP3 PLAYER, 3.5mm STEREO INPUT, USB TYPE-C CHARGE AND PLAY FEATURE AND LOWER COMBO XLR INPUTS.

USB MP3 PLAYER FUNCTIONS:

ONE CLICK:	PLAY OR PAUSE
TWO CLICKS:	NEXT TRACK
THREE CLICKS:	PREVIOUS TRACK

3.5mm STEREO INPUT IS COMPATIBLE WITH ANY 3.5mm STEREO INPUT SOURCE.

TYPE-C USB CHARGE AND PLAY FEATURE CAN BE USED WITH ANY COMPATIBLE DEVICE ALLOWING YOU TO PLAY MUSIC THROUGH YOUR DEVICE WHILE IT CHARGES AT ANY VOLUME, EVEN MAX VOLUME.

3.3 MONITOR MODE:

WHEN IN MONITOR MODE, ALL INPUTS ARE ENABLED TO CREATE A "KAREOKE" MODE THAT ALLOWS TO PLAY ALL INPUTS AT THE SAME TIME. IT WILL ALSO ALLOW YOU TO USE THE STAGE ONE AS A MONITOR WITHOUT LATENCY.

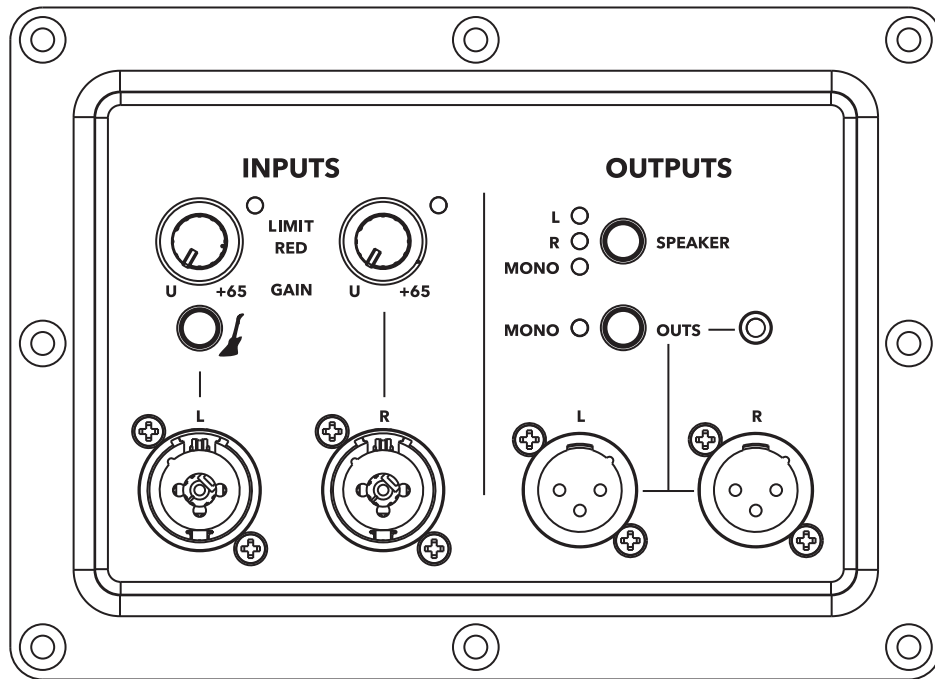
3.4 SKAA MODE:

IN SKAA MODE, THE MODE ALLOWS THE STAGE ONE TO BOND WITH OTHER STAGE ONE SPEAKERS AND EVEN OTHER SKAA ENABLED PRODUCTS. *PLEASE SEE PAGE 7 FOR MORE SKAA FEATURES.

3. MODES continued

4. CHANNEL SELECTOR

5. OUTPUTS



THE LOWER INPUTS/OUTPUTS GIVE YOU THE FLEXIBILITY TO ADD THE MOST COMMONLY USED PRO INPUTS TO THE STAGE ONE. (NOTE: XLR INPUTS ARE DESIGNED FOR MICROPHONE USE ONLY AND 1/4" TS/TRS FOR LINE IN).

LEFT CHANNEL COMBO XLR INPUT WITH A UNIQUE FEATURE, THE HI-Z FEATURE.

THIS FEATURE WHEN ENABLED BY PRESSING THE BUTTON WILL ALLOW YOU TO ADD A GUITAR DIRECT, EITHER AN ACOUSTIC, ELECTRIC OR BASS. YOU CAN ALSO ADD A PEDAL BOARD AND ADJUST THE GAIN TO GET THAT PERFECT TONE! THE LEFT CHANNEL CAN ALSO ALLOW FOR A 1/4" INPUT FOR A MICROPHONE. GAIN CAN ALSO BE ADJUSTED FOR BEST SOUND AND LEVELS OF THE MICROPHONE.

RIGHT CHANNEL ALSO HAS A COMBO XLR WITH A GAIN ADJUSTMENT FOR A MICROPHONE AND ANY OTHER SOURCE INPUT THAT MIGHT NEED ADJUSTMENT.

BOTH INPUTS HAVE PEAK INDICATORS. WHEN A LOWER INPUT IS IN USE, THE PEAK INDICATOR BECOMES GREEN. WHEN THE INPUT SOURCE IS GETTING CLOSE TO PEAK IT WILL FLASH RED. WHEN LED TURNS RED, IT IS INDICATING THAT IS +/- 3db FROM PEAK SO YOU CAN FINE TUNE THE SOURCE TO OPTIMIZED THE OUTPUT OF THE STAGE ONE.

4. AUDIO ROUTING

THE CHANNEL SELECTOR ALLOWS YOU TO CHOOSE A CHANNEL FOR THE STAGE ONE. OPTIONS ARE: LEFT CHANNEL, RIGHT CHANNEL AND MONO.

5. OUTPUTS

THE STAGE ONE HAS TWO XLR OUTPUTS AND A STEREO 3.5mm OUTPUT. THESE OUTPUTS CAN BE USED TO WIRE LINK OTHER STAGE ONE SPEAKERS OR ANY OTHER DEVICE NEEDING A SOURCE INPUT IN YOUR SETUP. THE STAGE ONE OUTPUTS HAVE ANOTHER UNIQUE OPTION, THE WIRED OUT MONO BUTTON. WHEN ENABLED, THIS FEATURE SWITCHES ALL OUTPUTS TO MONO TO CAPTURE INFORMATION FROM BOTH CHANNELS INTO ONE SOURCE OUT. SO ANY XLR AND 3.5mm OUTPUT WILL SEND THE SIGNAL IN MONO TO ANOTHER DEVICE CONNECTED TO THE STAGE ONE.

6. PERFORMANCE SPECIFICATIONS

Compatibility

App compatible with iPhone® and Andriod™ devices
Works with any SKAA / SKAA Pro Transmitter or Nadja Hub and any SKAA Receiver

Connectivity/Inputs

Bluetooth 5.3 LE
SKAA & SKAA PRO
3.5mm Stereo Input
USB-TYPE C Charge and Play
USB MP3 Player (supports MP3 & WAV format)
Combo XLR/TS/TRS with Independant Gains

Amplification

2 x 60W RMS Infineon Merus for Mid-Range & Tweeter
1 x 200W RMS Infineon Merus MA5302MS for Woofer
Amplifier Type: Multi-Rail Class D

Frequency Response

Reference: 997 Hz at 1w, 26Hz - 20kHz +/- 3db
THD+N @ 1w, 20Hz - 20kHz, AES17 <0.1%
SNR A-weighted, Ref 1w at 997Hz, SKAA mode 82db
Digital Resolution 48k Sample/s, 16bit
128db Max Output, 1 watt - 1 meter AES Standard

Battery Specifications

114Wh, 22V at 5200mAh
Battery Management System on board Battery
Power Supply 100-240 VAC, Output 26V 125W, 2 Amp Max
100+ hours at mid volume (using both batteries)
8+ hours at full volume (using both batteries)
2.5 hours Rapid Charge to full per battery

Wireless

Bluetooth Range approx. 10 meters (30 feet)
SKAA Range up to 50 meter reliable range

SKAA

SKAA Standard Compatibility SKAA OS 2.1 and later
SKAA Latency 36.71ms +/- 1.5 samples, 19.39ms +/- 1.5 samples (PRO Mode)
SKAA Max Receivers 4 with SKAA source or 2 with SKAA Pro source

Outputs

XLR Out both Left & Right Channel
3.5mm Stereo Out
SKAA & SKAA PRO Transmission
*NOTE: All outputs can be switched to Mono source out.

Drivers

1 x 1" Custom Compression Tweeter
1 x 8" Custom Mid-Range
1 x 10" Custom Woofer

Driver Impedance

Woofer - 2Ω
Mid-Range - 4Ω
Tweeter - 8Ω

Cabinet

Material Phenolic & Vinyl coated Poplar
Dimensions 15.75 x 14.5 x 26.25 inches

RF

RF Power +18 dBm
Antenna Type FE



The SKAA Compatible Badge found on the Product certifies that this Product has been tested and is fully compliant with all of the requirements of the SKAA Standard and has been granted SKAA Certification. This Product will work seamlessly with other products in the SKAA ecosystem of audio transmitting and receiving devices.

For more information on the SKAA Standard, please visit www.SKAA.com.
The SKAA® name as well as its associated marks, logos and icons are trademarks or registered trademarks of Eleven Engineering Incorporated.

7. SKAA RECEIVER USER GUIDE

Each SKAA receiver uses a *Green List* to remember your *favorite* audio sources (SKAA transmitters). A Green glowing Indicator on your receiver means you are listening to a favorite, or hunting for one. You can also *explore* to find new transmitters—an Amber Indicator means you are *exploring* for transmitters which are not on your Green List. The  Bond Button on your receiver lets you select which audio source (SKAA transmitter) you're listening to.

Essentials

 Button	Command	Indicator
Hold a few seconds	<u>Add / Delete</u> Manually add / delete the current transmitter to / from your Green List	 to  = Added  (flash) = Deleted
-	<u>Auto Add</u> SKAA will automatically add the current Amber transmitter to your Green List if you listen to it for 30 minutes	 to  = Added
1 Click	<u>Green Mode</u> Rotate through your list of <i>favourite</i> transmitters (Green List) — when a favourite transmitter is found, the search stops and audio plays from that transmitter	 (dim) = Hunting  (flash) = Next one  (bright) = Bonded
2 Clicks	<u>Amber Mode</u> <i>Explore</i> for new, unknown transmitters (ones which are not already on your Green List)	 (dim) = Hunting  (bright) = Bonded

More Commands

 Button	Command	Indicator
3 Clicks	<u>Mute</u> do again to Unmute; any Click command will first Unmute and then do its function	 ,  or  = Muted (slow flash)
4 Clicks	<u>Red Mode</u> If you have 2 or more transmitters on your Green List, power on just the one you want to hear and it plays automatically.	 (dim) = Hunting  (bright) = Bonded
6 Clicks	<u>Factory Reset</u> Clear Green List. Start Over!	 (flash) = Reset Done
Hold during power on	<u>Make a Cluster of Receivers:</u> - Power off all transmitters and receivers - Power on the Master receiver while holding down its Bond Button—hold the button down until the Indicator begins to flash Red - With the remaining receivers within 3 meters of the Master receiver, power on the first one, wait for its Indicator to flash Red and then power on the second one; continue until all of them are powered on - Once all of the Indicators stop flashing (turn solid Red), power off all of the receivers	 (flash) = Receiver has entered 'Cluster Up' mode  (bright) = The Cluster has been successfully made

QUESTIONS AND ANSWERS

Question	Answer
How does the Green List work?	You can store up to 10 SKAA transmitters on your Green List. These are your “favourite” audio sources. Every time you add a transmitter, it is assigned the first open spot on the Green List. When you single click the  Bond Button, the receiver hunts through the Green List much like a car radio hunts for radio stations when you press seek. If the Indicator is dim Green and flashes every few seconds, this tells you the receiver is hunting through the Green List. Say you have 5 transmitters on your Green List; your receiver will hunt through the list one by one: 1, 2, 3, 4, 5 and then back to 1 and so on. The dim Green Indicator flashes every time the receiver moves to the next spot on the list. This hunting goes on for up to 1 minute. If your receiver doesn't find any of your favourite transmitters, it stops hunting and just waits for the last bonded favourite. If your receiver does find one of your favourite transmitters, the hunting stops, the Indicator turns bright green, and your receiver starts playing audio from that favourite. A dim Green Indicator that is NOT flashing means the receiver is just sitting on one spot, waiting for a specific favourite transmitter to show up.
How do I bond with a specific Green transmitter?	Play audio from your source device and ensure it has a SKAA transmitter connected. Click the  Bond Button on your receiver. The receiver hunts through the Green List, flashing the Indicator as it goes. Once your receiver finds one of your favourite transmitters, it bonds to it and plays audio from that transmitter. If that isn't the transmitter you wanted, click the Bond Button once more. Repeat until your receiver bonds with the transmitter you want and you're hearing the correct audio playing.
How do I select transmitters if I can't reach my Bond Button?	Say you want to put your receiver on a high shelf where you can't reach the Bond Button easily. First, set up your Green List: add all of the transmitters you'll want to use. Then 4-click the  Bond Button to enter Red Mode. Now put the receiver up on the high shelf. Power on just one of your transmitters and power off all others. The receiver automatically bonds to the transmitter that's on.
How do I delete a transmitter from my Green List?	Factory Reset (6 Clicks of the Bond Button) clears the Green List and lets you start over from scratch. If however, you'd like to delete just one transmitter from your Green List, first bond your receiver to the transmitter you wish to delete. See the section above: How do I bond with a specific Green transmitter? . Once you are bonded to it, hold down the  Bond Button for a few seconds until you see the Indicator flash Red –this Red flash means the transmitter has been deleted.
What is a Cluster?	Clusters are an optional convenience for “power users”. A Cluster is several SKAA receivers behaving as one product. A left & right speaker pair, for example, or a sound bar and subwoofer.
What is the Master receiver?	In any Cluster, there is a single Master receiver, and all of the other receivers in the Cluster follow its behaviour. You can control the entire Cluster by operating the  Bond Button of the Master. A receiver must have a physical Bond Button in order to become the Master.
How do I “uncluster” several receivers?	Do the Make a Cluster of Receivers procedure once for each receiver, but omit Step 3. Do them one at a time. This gives each of the receivers a functioning  Bond Button, and each of them will thereafter operate independently.
What are some tips for making Clusters?	Each step in the Make a Cluster of Receivers procedure has a 10-second time limit. When you see the Master's Indicator start to flash Red, you have 10 seconds to power on the next receiver. When that receiver's Indicator starts to flash Red, you have 10 more seconds to power on the next one, and so on.
Why does only one of my Bond Buttons work?	When you make a Cluster from several receivers, the first one powered on in the Make a Cluster of Receivers procedure becomes the Master of the Cluster. Only the Master's  Bond Button works because a Cluster uses just one Green List –the Master's Green List. The Bond Button of each of the other receivers will work only for the Mute / Unmute function (3-Click of the Bond Button).
Can any group of receivers be made into a Cluster?	No. The receivers must be members of the same product family. If they are not, the Make a Cluster of Receivers procedure won't work. This is because only receivers which were designed to work together (as a single product) can be made into a Cluster.