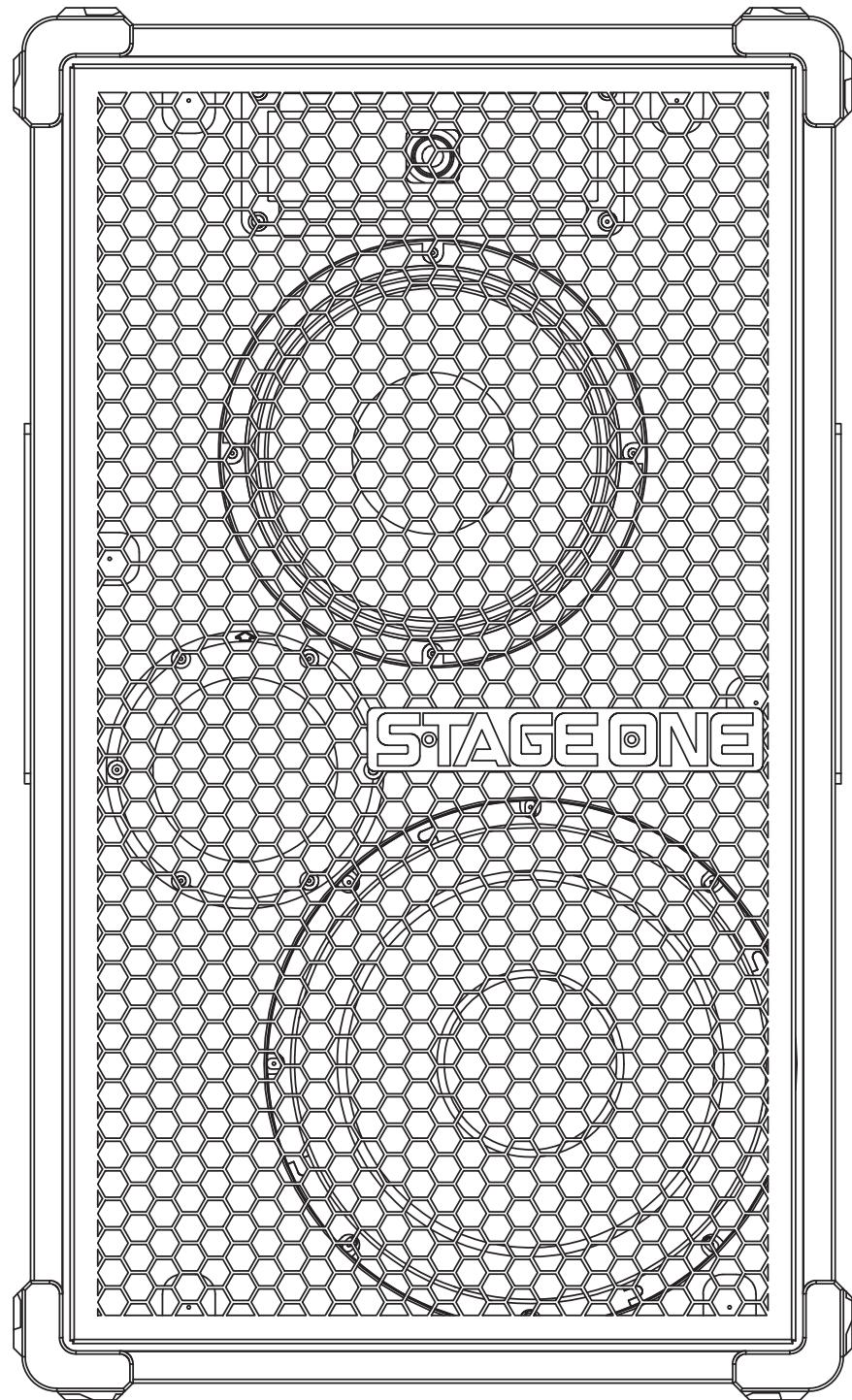


# STAGE ONE

*PRO FOR THE PEOPLE*

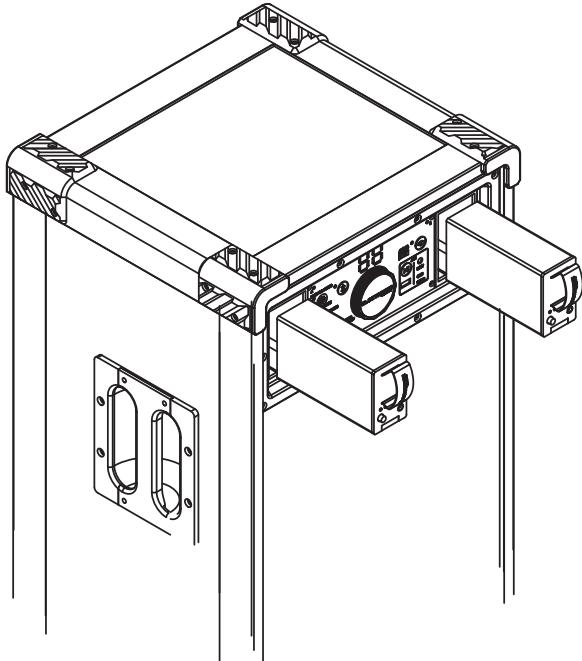
## USER MANUAL



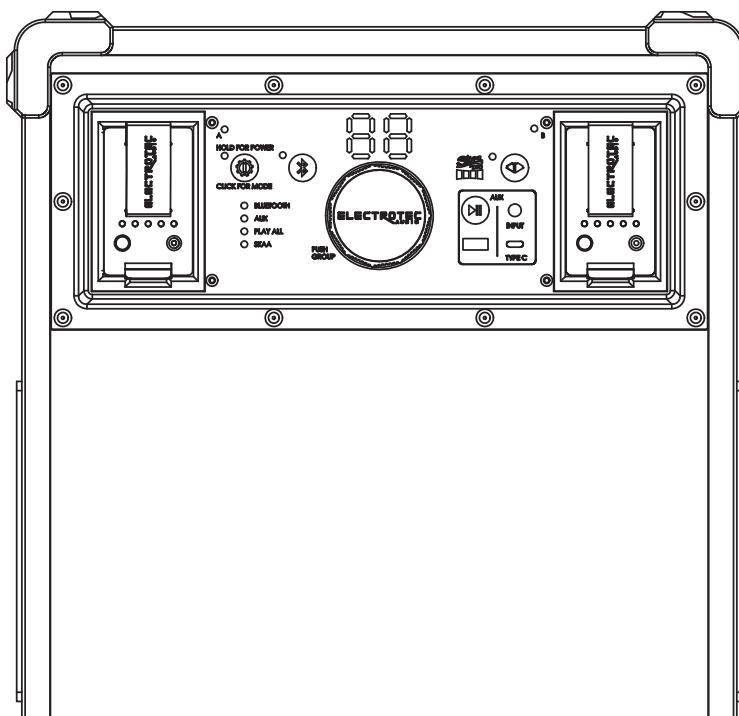
**ELECTROTEC**  
AUDIO

# STAGE ONE

## QUICK-START GUIDE



Insert batteries into battery bays & plug in rapid charger (if needed). Batteries should have a full charge before shipping.



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.

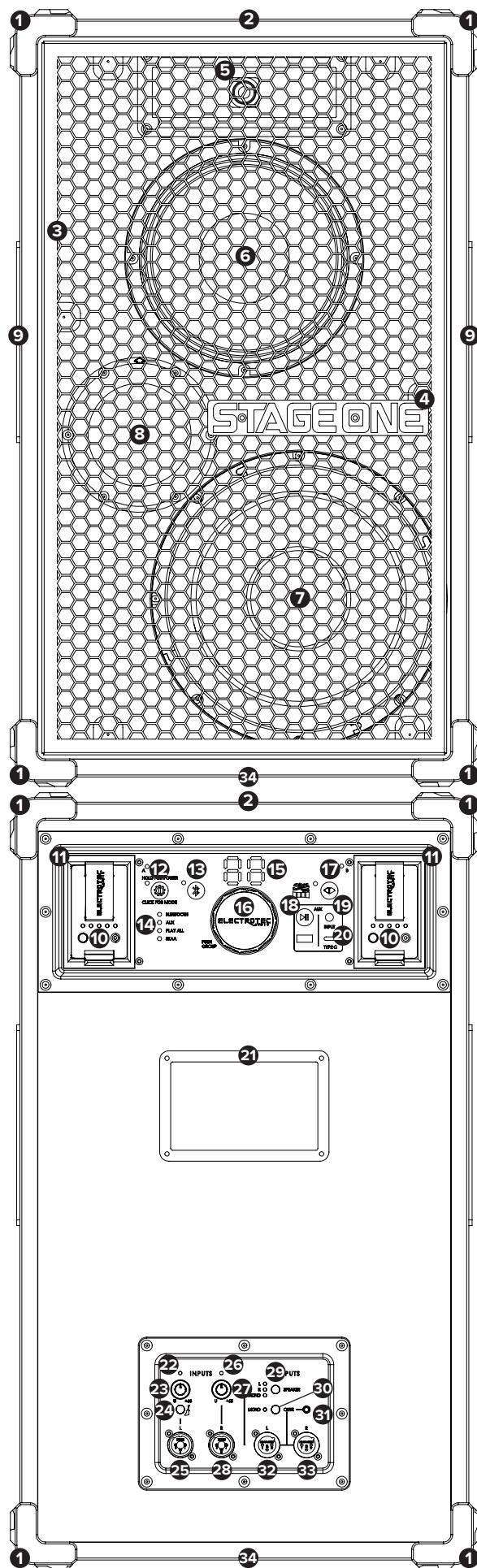
To access more advanced features of the Stage One speaker, please download the Electrotec Audio app.



# STAGE ONE

## OVERVIEW

- SILICONE CORNERS ①
- PHENOLIC COVERED BIRCH CABINET ②
- STEEL GRILL ③
- REMOVEABLE STAGE ONE BADGE ④
- 1" COMPRESSION DRIVER TWEETER ⑤
- 8" MID-RANGE DRIVER ⑥
- 10" SUB-WOOFER ⑦
- TUNED BASS PORT ⑧
- SIDE HANDLES ⑨
  
- HIGH PERFORMANCE BATTERY(S) ⑩
- BATTERY BAY(S) ⑪
- POWER BUTTON ⑫
- BLUETOOTH PAIRING BUTTON ⑬
- MODE INDICATOR ⑭
- VOLUME LEVEL INDICATOR ⑮
- VOLUME CONTROL ⑯
- SKAA BUTTON ⑰
- USB MP3 PLAYER & BUTTON ⑱
- 3.5mm STEREO INPUT ⑲
- USB TYPE-C CHARGE AND PLAY ⑳
  
- STAGE ONE LICENSE PLATE ㉑
  
- LEFT CHANNEL PEAK SIGNAL LED ㉒
- LEFT CHANNEL GAIN CONTROL ㉓
- LEFT CHANNEL HI-Z FILTER ㉔
- LEFT CHANNEL COMBO XLR INPUT ㉕
- RIGHT CHANNEL PEAK SIGNAL LED ㉖
- RIGHT CHANNEL GAIN CONTROL ㉗
- RIGHT CHANNEL COMBO XLR INPUT ㉘
- CHANNEL SELECTOR ㉙
- MONO OUT BUTTON ㉚
- 3.5mm STEREO OUT ㉛
- LEFT XLR OUT ㉜
- RIGHT XLR OUT ㉝
- POLE MOUNT ㉞



# STAGE ONE

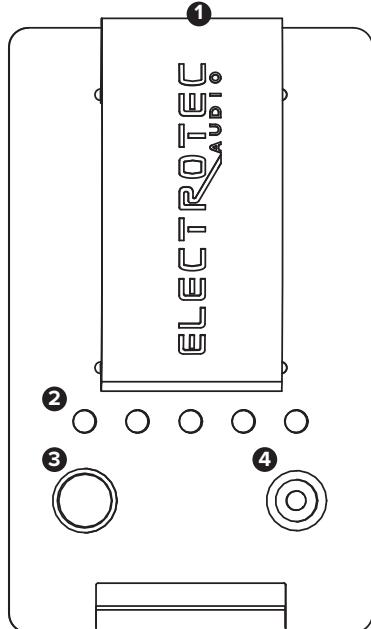
## INDEX

### FEATURES & MODES:

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# STAGE ONE

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

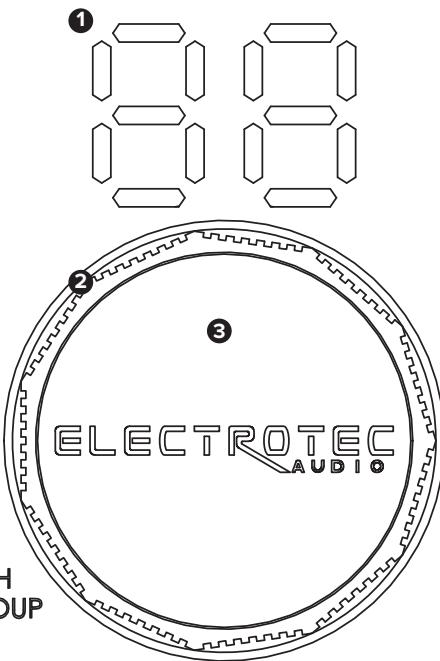
THE HIGH PERFORMANCE BATTERIES POWER UP THE STAGE ONE AND PROVIDE POWER TO THE SYSTEM. WHEN BOTH BATTERIES ARE IN THE STAGE ONE, THE STAGE ONE WILL DRAW FROM ONE BATTERY UNTIL IT REACHES APPROXIMATELY 18%, THEN WILL SWITCH TO THE NEXT BATTERY WITHOUT ANY INTERACTION.

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.

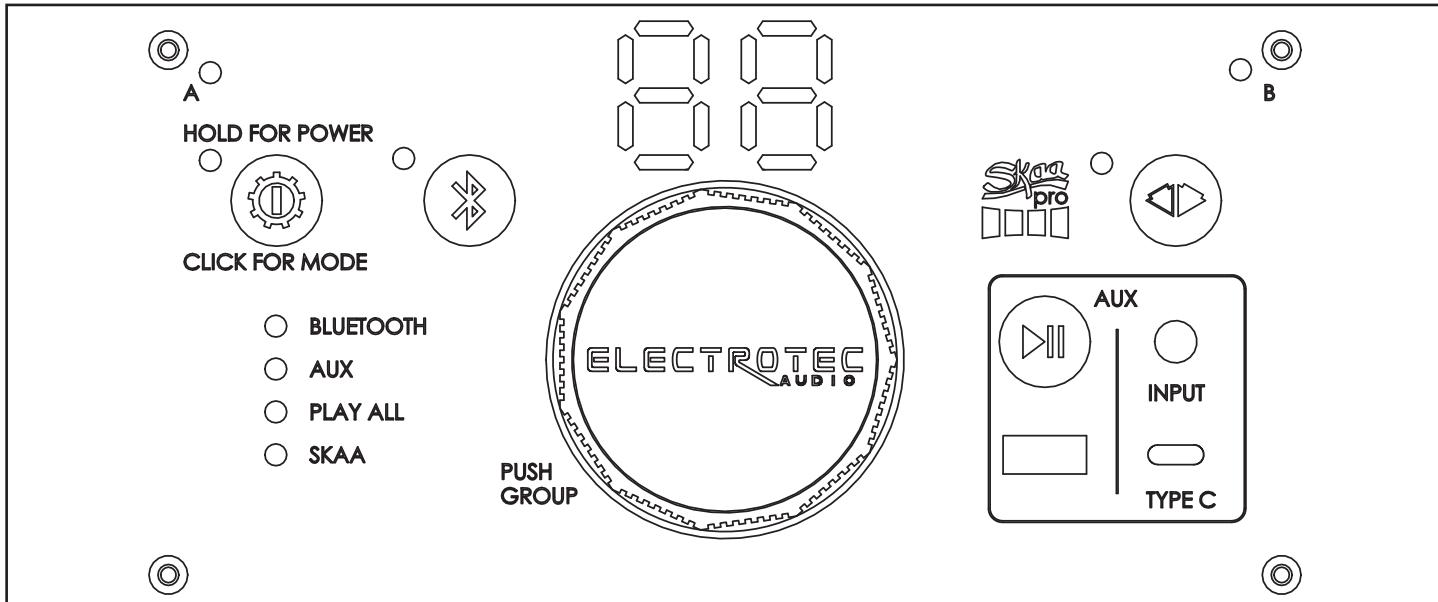


- ① VOLUME LEVEL INDICATOR
- ② ROTOR VOLUME DIAL
- ③ GROUP VOLUME PUSH BUTTON

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 ROTOR DIAL. THE SECOND ADJUSTMENT IS THE GROUP VOLUME PUSH BUTTON.

THE ROTOR DIAL WILL CONTROL THE STAGE ONE VOLUME. THE 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.



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, PLAY ALL (karaoke) AND SKAA.

### 3.1 BLUETOOTH MODE:

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 HIT THE BLUETOOTH BUTTON TO PUT THE STAGE ONE IN PAIRING MODE.

### 3.2 AUX MODE:

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 PLAY ALL MODE:

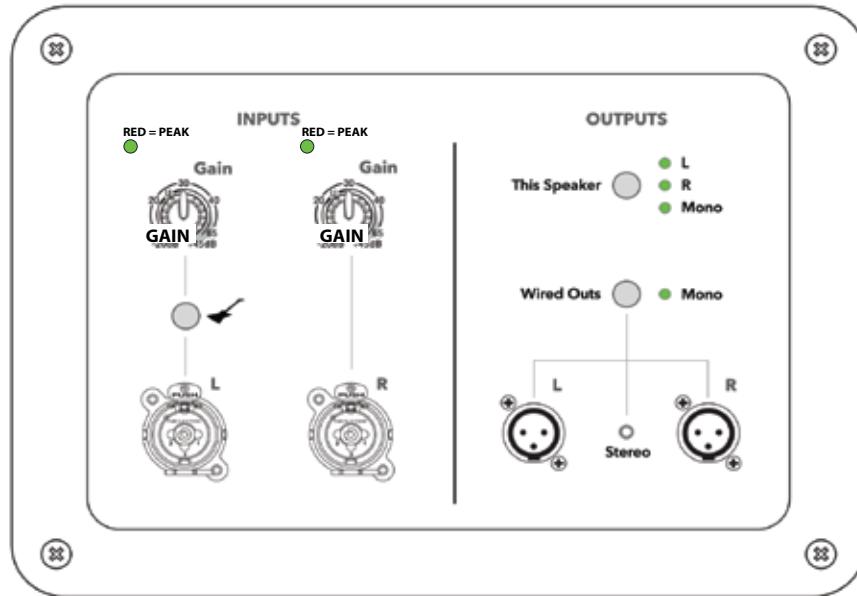
WHEN IN PLAY ALL MODE, ALL INPUTS ARE ENABLED TO CREATE A "KAROKE" MODE THAT ALLOWS TO PLAY ALL INPUTS AT THE SAME TIME.

### 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.

# STAGE ONE

- 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.

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 OPTIMIZE THE OUTPUT OF THE STAGE ONE.

## 4. CHANNEL SELECTOR

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.

### 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/TRS with Independant Gains

### Amplification

2 x 75w RMS Infineon Merus for Mid-Range & Tweeter

1 x 150w 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

115Wh, 25V at 7Ah

Battery Management System on board Battery

Power Supply 100-240 VAC, 50/60Hz Output 26V 125W

100+ hours at mid volume (using both batteries)

18+ 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 Birch

Dimensions 15.75 x 14.5 x 26.25 inches

### RF

RF Power +18 dBm

Antenna Type FE

# STAGE ONE

## 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>favorite</i> transmitters (Green List) — when a <i>favorite</i> 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> 1. Power off all transmitters and receivers 2. Power on the Master receiver while holding down its Bond Button—hold the button down until the Indicator begins to flash Red 3. 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 4. 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

## FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

## IC Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada 's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: 1. L' appareil ne doit pas produire de brouillage; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux radiations FCC définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.