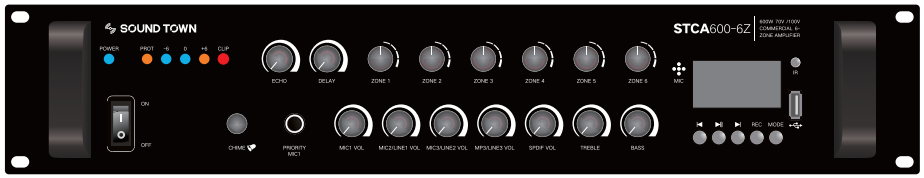
SOUND TOWN

STCA SERIES

PUBLIC ADDRESS AMPLIFIER WITH OPTICAL



SOUND TOWN

Sound Town Inc.
Los Angeles, California, USA
www.soundtown.com

USER MANUAL

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IMPORTANT SAFETY INSTRUCTIONS

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink, swimming pool, web basement etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings, it should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources, such as, radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The side blade or the third prong are provided for your safety if the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord being walked on or pinched particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11. Only use attachments specified by the manufacturer.
12. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used use caution when moving cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
16. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When the MAINS plug, or an appliance coupler is used as the disconnect device, the disconnect device should remain readily operable.
18. Protective Ground Terminal: The apparatus shall be connected to an AC main socket with a protective earth ground connection.

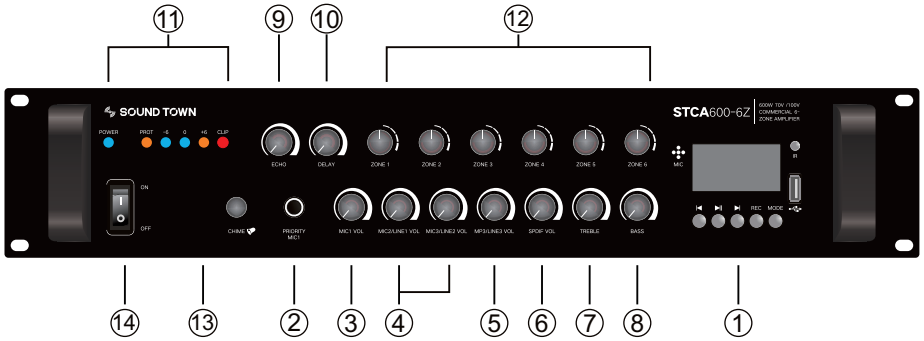
FEATURES

- 3 MIC Input (support 12V phantom power and 1 Priority MIC)
- 1 Optical Input (SPDIF) and 3 Line input (1 x RCA & 2 x 1/4")
- 1 RCA Line output
- BLUETOOTH, SD, USB, FM input with LCD display
- Treble / Bass control & effect (ECHO, DELAY)
- Over current, short circuit protection
- 70V / 100V output
- Low impedance 4~16 ohm output
- 6 zone outputs with individual volume control

IN THE PACKAGE

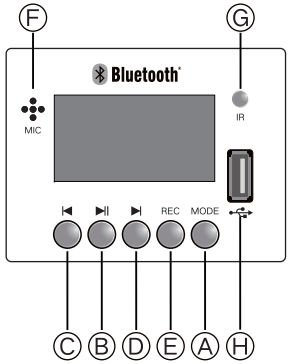
- **1 STCA amplifier**
- **1 Power cable**
- **1 Remote control**
- **1 User Manual**
- **1 Warranty Card**

FRONT PANEL



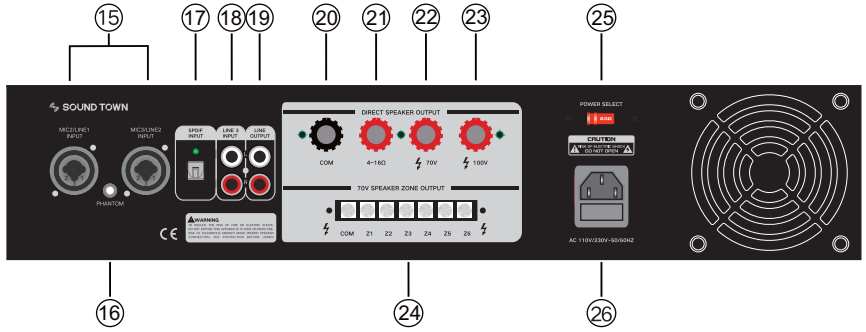
1. **MP3 PLAYER:** Bluetooth, USB, FM and recorder (with LCD display)
2. **MIC SOCKET:** One 1/4" jack are provided for microphone input (priority mic.)
3. **MIC LEVEL CONTROL:** Rotated knob to adjust the level of priority mic 1 input signals.
4. **LINE/MIC LEVEL CONTROL:** 2 rotated knobs to adjust the level of 2 line/mic input signals from back panel.
5. **LINE LEVEL CONTROL:** Rotated knob to adjust the level of LINE3 & MP3 input signals.
6. **SPDIF VOLUME:** Rotated knob to adjust the level of optical (SPDIF) input signal.
7. **TREBLE:** To increase or decrease the high frequency of the input signal.
8. **BASS:** To increase or decrease the low frequency of the input signal.
9. **ECHO:** To adjust the volume of echo effect.
10. **DELAY:** To adjust the delay depth.
11. **INDICATOR:** The **'POWER'** LED illuminates when the amplifier is turned on; the **'PROT'** LED flashes when fault is detected such as short-circuited or over heat, need to turn off the amplifier immediately; **3-segament** LED indicates the master output level. The **'CLIP'** LED lights up when the amplifier is nearing clipping, an occasional flickering is acceptable, if it's lit continuously, adjust the level control and reduce the output volume. Failure to do so may lead to premature failure of your speaker.
12. **6 ZONE VOLUME:** Individual volume control for 6 zone, each knobs are adjustable in 5 steps.
13. **CHIME:** Push the button for a CHIME. (Alarm)
14. **POWER SWITCH:** To turn on/off the amplifier.

MP3 PLAYER WITH BLUETOOTH AND RECORDER



A. **MODE:** Press to switch the signal source from BLUETOOTH/USB/FM
B. **PLAY/ PAUSE.**
C. **PREV:** Short press to jump to previous song; press and hold to enter rewinding state.
D. **NEXT:** Short press to jump to next song; press and hold to enter forwarding state.
E. **RECORD:** Short press once to start recording, press again to end recording.
F. **MIC:** Internal mic. for recording.
G. **IR:** Infrared sensor for remote control.
H. **USB** input socket.

REAR PANEL



15. **MIC/ LINE INPUTS:** 2 x 1/4" jack & XLR combo sockets are provided for mic/ line signal inputs.
    * Please use 1/4" connector for line level signal input and XLR connector for mic level signal input.
16. **PHANTOM:** This amplifier support 12V phantom powered microphone inputs, push the 'PHANTOM' button when using phantom powered mic inputs.
17. **SPDIF INPUT:** One SPDIF socket is provided for optical input. The green LED indicator will light up when there is signal detected.
18. **LINE INPUT:** One RCA socket is provided for line level signal input.
19. **LINE OUT:** One RCA socket is provided for signal output (mixed out).
20. **COM OUTPUT SOCKET:** This is the common post, for whichever 70V/100V/4~16ohm connection, need to connect the negative ends to the 'COM' post.
21. **LOW IMPEDANCE OUTPUT BINDING POST:** For a 4~16 ohm low impedance speaker, connect the positive ends to the '4~16 ohm' red post and the negative ends to the 'COM' post.
22. **70V OUTPUT BINDING POST:** To provide 70V voltage output, for your speaker with 70V transformer, connect the positive ends to the '70V' red post and the negative ends to the 'COM' post.
23. **100V OUTPUT BINDING POST:** To provide 100V voltage output, for your speaker with 100V transformer, connect the positive ends to the '100V' red post and the negative ends to the 'COM' post.
24. **6 ZONE OUTPUT BINDING POST:** To provide 70V voltage output dividing into 6 different zone.
25. **Voltage selection:** This switch is supplied for moving the amplifier from 110 voltage (U.S. Standard) to 230 voltage (European Standard). The switch needs to be set on proper voltage for your area.
26. **AC INPUT:** This receptacle is for connecting the included IEC power cable. It is important to supply the proper AC line voltage to the unit. Do not connect to intermittent or faulty power.

SPECIFICATIONS

MODEL		STCA180-6Z	STCA360-6Z	STCA600-6Z
OUTPUT POWER		180W RMS	360W RMS	600W RMS
OUTPUT TYPE		70V/100V/4~16Ω	70V/100V/4~16Ω	70V/100V/4~16Ω
MIC INPUT		3mV, 600Ω	3mV, 600Ω	3mV, 600Ω
LINE INPUT		200mV, 10kΩ	200mV, 10kΩ	200mV, 10kΩ
FREQ. RANGE		50Hz~20kHz	50Hz~20kHz	50Hz~20kHz
DISTORTION		0.5% (1kHz)	0.5% (1kHz)	0.5% (1kHz)
S/N RATIO	AUX	88 dB	88 dB	88 dB
	MIC	116 dB	116 dB	116 dB
VOLTAGE		AC110V~230V	AC110V~230V	AC110V~230V
DIMENSION		19" x 15.3" x 3.5" (2U)	19" x 15.3" x 3.5" (2U)	19" x 15.3" x 3.5" (2U)
PACKING SIZE		21" x 18.3" x 7.5"	21" x 18.3" x 7.5"	21" x 18.3" x 7.5"
N.W.		22 Lbs	26 Lbs	33 Lbs
G.W.		24 Lbs	28 Lbs	35 Lbs

How can we help you?

CONTACT OUR US-BASED SUPPORT TEAM

Simple or complex, your questions are important to us. For service, support or more information, please contact the Sound Town support team:

Email: support@soundtown.com