

For more questions, please contact us at support@soundtown.com.

SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of electric shock, do not remove the top cover or the rear section. No user serviceable parts inside; refer servicing to qualified personnel.

WARNING: To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture.



This Symbol, whenever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to the important operating and maintenance instructions in the accompanying literature. Read the manual.

SAFETY INSTRUCTIONS: All the safety and operation instructions should be read before the mixer is operated.

Keep Instructions: The safety and operating instructions should be retained for future reference.

Heed Warnings: All warnings on the appliance and in the operating instructions should be adhered to.

Follow instructions: All operation and user instructions should be followed.

Water and Moisture: The appliance should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool etc.).

Ventilation: The appliance should be situated so that its location or position does not interfere with its proper ventilator. For example, the appliance should not be situated on a bed, sofa rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

Heat: The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.

Power Source: The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization: Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Power-Cord Protection: Power supply cords should be routed so that they are not likely to be wadded on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles and the point where they exit from the appliance.

Cleaning: The appliance should be cleaned only as recommended by the manufacturer.

Non-use Periods: The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

Object and Liquid Entry: Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Damage Requiring Service: The appliance should be serviced by qualified service personnel when:

-the power supply cord or the plug has been damaged; or
-objects have fallen, or liquid has been spilled into the appliance or -the appliance has been exposed to rain; or
-the appliance does not appear to operate normally or exhibits a marked change in performance;
or

Servicing: The user should not attempt to service the appliance beyond that which is described in the Operating Instructions. All other servicing should be referred to qualified service personnel.

Professional 12-channel mixing console with USB jack

- 12-channel mixing console with two stereo channels and separate stereo tape channel
- Built-in USB and Bluetooth interfaces for hassle-free music streaming
- Separate input JACK controls for mic and line inputs on all mono channels
- XLR mic connectors on all mono channels
- Low-noise discrete mic preamplifiers on all microphone inputs
- Balanced 1/4" stereo jacks and balanced controls on all stereo channels
- Separate stereo tape channel with 1/4" and RCA jacks
- Stereo output for recording applications
- High-grade sealed faders and potentiometers
- Headphones output with dedicated volume control
- Built-in +48V phantom power for condenser mics
- Extremely rugged construction ensures long life even under the most demanding conditions

1. INTRODUCTION

Thank you for purchasing the Sound Town Triton series professional 12-channel mixing console. The small size portable mixer comes with incredible versatility and audio performance. With USB interface, Bluetooth, DSP sound effects, phantom power and balanced line inputs onboard, it is optimally equipped for both live and studio applications.

1.1 Before you get started

Your machine was carefully packed in the factory and the packaging is designed to protect the unit from rough handling. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

⚠ If the unit is damaged, please do not return it to our company, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted. Shipping claims must be made by the consignee.

1.2 Control elements

- 1 MIC Use this balanced XLR jack to connect the microphone to the machine.
- ⚠ The switchable + 48 V Phantom power requires condenser microphones. Please mute your playback system before you activate the phantom power supply to prevent switch-on thumps from being directed to your loudspeakers.
- 2 Channel 1 features an additional LINE input on a balanced 1/4" jack.
- 3 Use the GAIN control to adjust the input gain. This control should always be turned counter-clockwise whenever you connect or disconnect a signal source to one of the inputs.
- 4 In addition, the mono channels are equipped with a steep LOW CUT filter (slope at 12 dB/oct, -3 dB at 75Hz) designed to eliminate unwanted low-frequency signal components.
- 5 6 7 The upper (HIGH) and the lower band (LOW) are shelving filters that increase or decrease all frequencies above or below their cut-off frequency. The cut-off frequencies of the upper and lower band are 12 KHz and 80 Hz respectively. The MID band is configured as a peak filter with a center frequency of 2.5 KHz.
- 8 The peak LED of the mono channels illuminates when the input signal is driven too high, which could cause distortion. If this happens, use the GAIN control to reduce the preamp level until the LED does not light anymore.

- [9] **EFF** sends enable you to feed signals via a variable control from one or more channels and sum these signals to a bus. The bus appears at the console's FX sent output and can be fed from there to an external effects device. The return from the effects unit is then brought back into the console on the stereo channels. Each FX send is mono and features up to +10 dB gain.
- [10] The **PAN** control determines the position of the channel signal within the stereo image. This control features a constant-power characteristic, which means the signal is always maintained at a constant Level, irrespective of position in the stereo panorama.
- [11] The **LEVEL** control determines the level of the channel signal in the main mix.
- [12] **LINE 5/6** Each stereo channel has two balanced line level inputs on 1/4" jacks for left and right channels. If only the jack marked "L" (left) is used, the channel operates in mono. The stereo channels are designed to handle typical line level signals. Both inputs will also accept Unbalanced Jacks.
- [13] The **EFF SEND** connector outputs the signal you picked up from the individual channels using the EFF SEND controls. You can connect this to the input of an external effects device in order to process the EFF bus' master signal. Once an effects mix is created, the processed signal can then be routed from the effects device outputs back into a stereo input.
- [14] **PHONES/CTRL ROOM OUT**
The stereo PHONES connector (at the top of the connector panel) is where headphones are connected. The unbalanced CTRL ROOM OUT connectors carry the summed effects and main mix signals as well as soloed channel signals. The PHONES/CONTROL ROOM control in the main section adjusts the level Of both headphones and main monitor outputs.
- [15] The unbalanced **CTRL ROOM OUT** jacks carry the summed effects and main mix signals, as well As soloed channel signals. The PHONES/CTRL RM control adjusts the level of both headphones and main monitor Outputs.
- [16] **USB/Bluetooth**
 - ▶ Play/Pause Button
Press and hold the button to switch between USB and Bluetooth.
[USB Player] Button Function
When the USB device is in use
 - ▶ Play/Pause Button: Press this button to start playing music from the USB device; press this button again to have the music paused.
 - vol▶▶ Vol+/Next Button: Press this button to skip the current track and jump to the next track.
 - vol◀◀ Vol-/Prev Button: Press this button to skip the current track and jump to the previous track.
 - [Bluetooth] Button Function
When the Bluetooth device is in use
 - ▶ Play/Pause Button: Press this button to start playing music from the connected Bluetooth device; press this button again to have the music paused.
 - vol▶▶ Vol+/Next Button: Press this button to turn up the volume.
 - vol◀◀ Vol-/Prev Button: Press this button to turn down the volume.
- [17] The **-10dB** switch which selects between +4 dBu and -10 dBV. At -10 dBV (home-recording level), the input is more sensitive (requires less level to drive it) than at +4 dBu(studio level).
- [18] **REC OUT** These connectors are wired in parallel with the MAIN OUT and carry the main mix signal (unbalanced). Connect the 2-TRACK OUTPUT to the inputs of your recording device. The output level is adjusted via the high-precision MAIN MIX fader or rotary control .

- [19] **2TK RET** The 2-TRACK INPUTS are used to bring an external signal source (e.g. CD player,tape deck, Etc.) into the console.
- [20] [21] The **MAIN OUT** connectors are unbalanced mono jacks. The main mix signal appears here at a Level of 0 dBu. The MAIN MIX fader adjusts the volume of these outputs.
- [22] The red +48V LED lights up when phantom power is on. The PHANTOM switch activates the phantom power supply on the XLR connectors of all mono channels.
- [23] **EFF SELECT** – Selects the internal effects processor will apply to the various channels. Each channel can send different levels of audio to the processor by adjusting their EFF SEND knobs. See the EFFECTS section for an explanation of the available effects.
- [24] **Level indicator** The high-precision level meter accurately displays the signal level.
- [25] The **EFF SEND** control adjusts the volume level of the EFF signal provided at connector EFF SEND JACK.
- [26] The **EFF TO MAIN** control feeds the effects signal into the main mix. If the control is turned all the way counter-clockwise, no effects signal is present in the sum signal of the mixing console.
- [27] When the **2TK TO MIX** switch is depressed, the 2-track input is assigned to the main mix providing an additional input for tape machines, MIDI instruments or other signal sources that do not require any processing.
- [28] Press the **2TK TO CTRL RM** switch if you want to monitor the 2-track input via the CTRL ROOM OUT. This provides an easy way to monitor signals coming back from tape to ensure that they are recording correctly.
- [29] If you want to monitor only the effects signal in your headphones or monitor speaker(s), press the **EFF TO CTRL** switch. Now the signal of the effects processor can be monitored alone, and the main mix and/or CD/tape signal is no longer present on the phone and control room outputs.
- [30] Use the **MAIN** fader to set the overall volume level of your machine.
- [31] The **PHONES/CTRL RM** control adjusts the level of both headphones and CTRL ROOM outputs.

2. WIRING

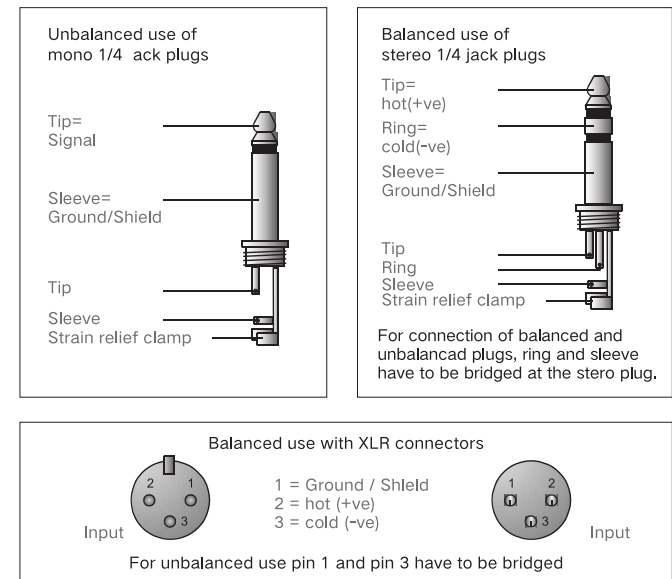


Fig. 2.1: Various connector types

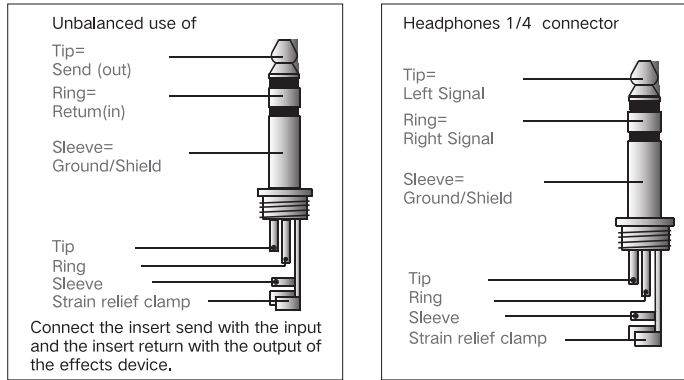


Fig. 2.1: Various connector types

3. LIMITED WARRANTY

For the applicable warranty terms and conditions and additional information regarding Sound Town's limited warranty, please see complete details online at <https://www.soundtown.com/pages/return-warranty>.

4. SPECIFICATIONS

FEATURE:

- (1) 12 standard inputs
- (2) 4 balanced MIC/LINE inputs
- (3) 3-band equalizer for mono inputs
- (4) 1 phantom power
- (5) 4 stereo inputs
- (6) 2TK input & REC output
- (7) High-precision LED level indicator
- (8) Built-in professional DSP

TECHNICAL DATA:

Common mode rejection: _____ -80dBu
 S/N Ratio: _____ > -82dB
 Frequency response: _____ +/-0.5dB 20Hz-20KHz
 THD: _____ less than <0.03%@1KHz

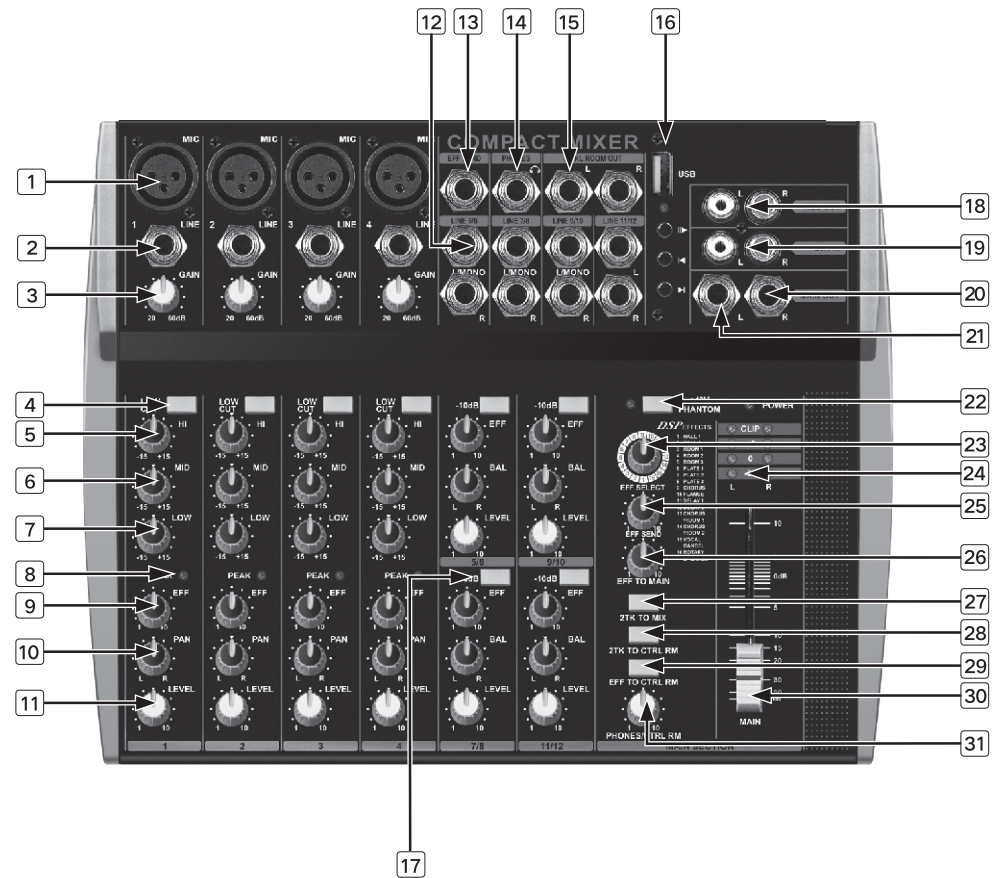
INPUT LEVEL:

MIC input: _____ +60dBu
 LINE input: _____ +30dB
 stereo input: _____ +20dBu
 headphones output(200Ω): _____ 300mW

parametric EQ:

HIGH: _____ 12KHz,+/-15dB
 LOW: _____ 80Hz,+/-15dB

5. CONTROL ELEMENTS & CONNECTORS



6. DSP DIGITAL REVERB EFFECT ENGINE

Hall 1	Bright hall reverb for drums,guitars,and vocals.
Hall 2	Warm hall for acoustic guitars, pianos, and vocals.
Room 1	Hardwood studio for acoustic instruments.
Room 2	Ambience for acoustic mixes and synth sounds.
Room 3	Warm room for guitars and rhythm instruments.
Plate 1	Classic plate reverb for lead vocals and instruments.
Plate 2	Sizzling bright plate reverb for vocals and drums.
Plate 3	Short vintage plate reverb for snares and guitars.
Chorus	Stereo chorus for guitars and pianos.
Flange	Stereo flanger for jet wash effects.
Delay 1	125ms slapback delay for vocals and guitars.
Delay 2	190ms delay for percussive arpeggios.
Chorus/Room 1	Chorus with reverb for guitars, synths, and pianos.
Chorus/Room 2	Auto-wah guitar effect with reverb for lead instruments.
Vocal Cancel	Removes lead vocals from many stereo recordings.
Rotary Speaker	Rotary speaker emulation for organs and guitars.