

SEEBURG acoustic line

TSMini Sat+

User Manual



Congratulations! With the SEEBURG acoustic line TSMINI Sat+ you have purchased a versatile and professional active loudspeaker system.

Please read this manual carefully to allow your system to achieve it's full potential. Keep this manual for further reference.

Caution / Safety instructions

Keep this appliance away from heat, moisture, dust and vibrations. Do not install in any of the following places:

- where devices are permanently exposed to direct sunlight
- near extreme heat sources
- where airflow cooling is blocked
- high humidity or moisture
- where devices are exposed extreme dust or vibrations

Always check the floor stability and insure the floor to be even before you set up your system.

The following can damage your loudspeaker system:

- acoustic feedback from microphones
- permanent high pitched signals with high frequency
- constantly distorted high power signals
- pop-noises from connecting, disconnecting or switching on or off units connected to the powered on amplifier

This product is capable of producing extreme output levels and can cause permanent hearing damage! Never operate this system at levels you feel are uncomfortable. If you feel an unpleasant, dull feeling in the ears or if your hearing diminishes, please contact your physician.

Warranty

SEEBURG acoustic line warrants the mechanical and electronic components of this product to be free of defects in material and workmanship for a period of 24 months after purchase, excluding improper handling of this product by the user. Unauthorized free maintenance, repair or modification work will void the warranty.

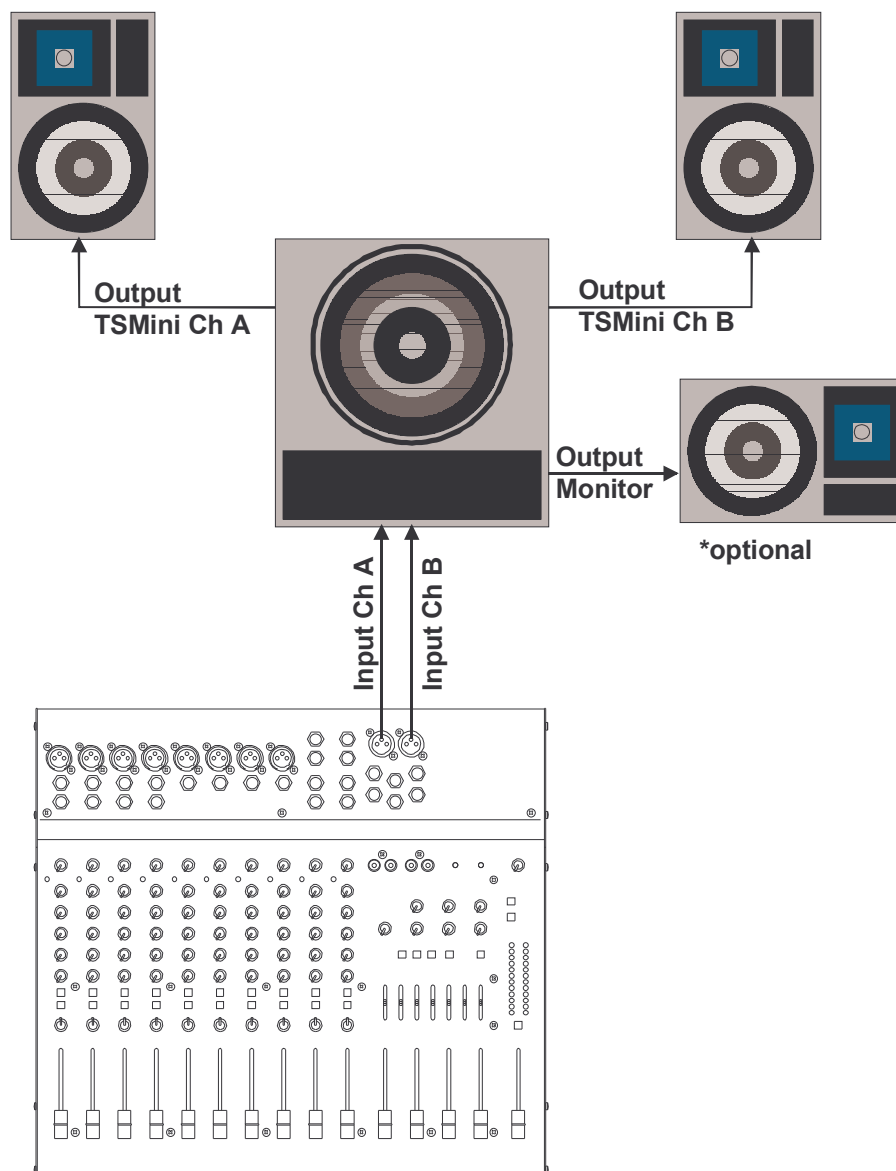
In keeping with our policy of continued improvement, SEEBURG acoustic line reserves the right to alter specifications without prior notice.

Brief overview:

Ultra compact und powerful loudspeaker system for high quality music and speech sound reinforcement for presentations, multimedia and a great variety of other applications in small to medium locations. The TSMini Sat consists of two TSMini enclosures a one TSMini SUB+ enclosure which contains a 4 channel amplifier.

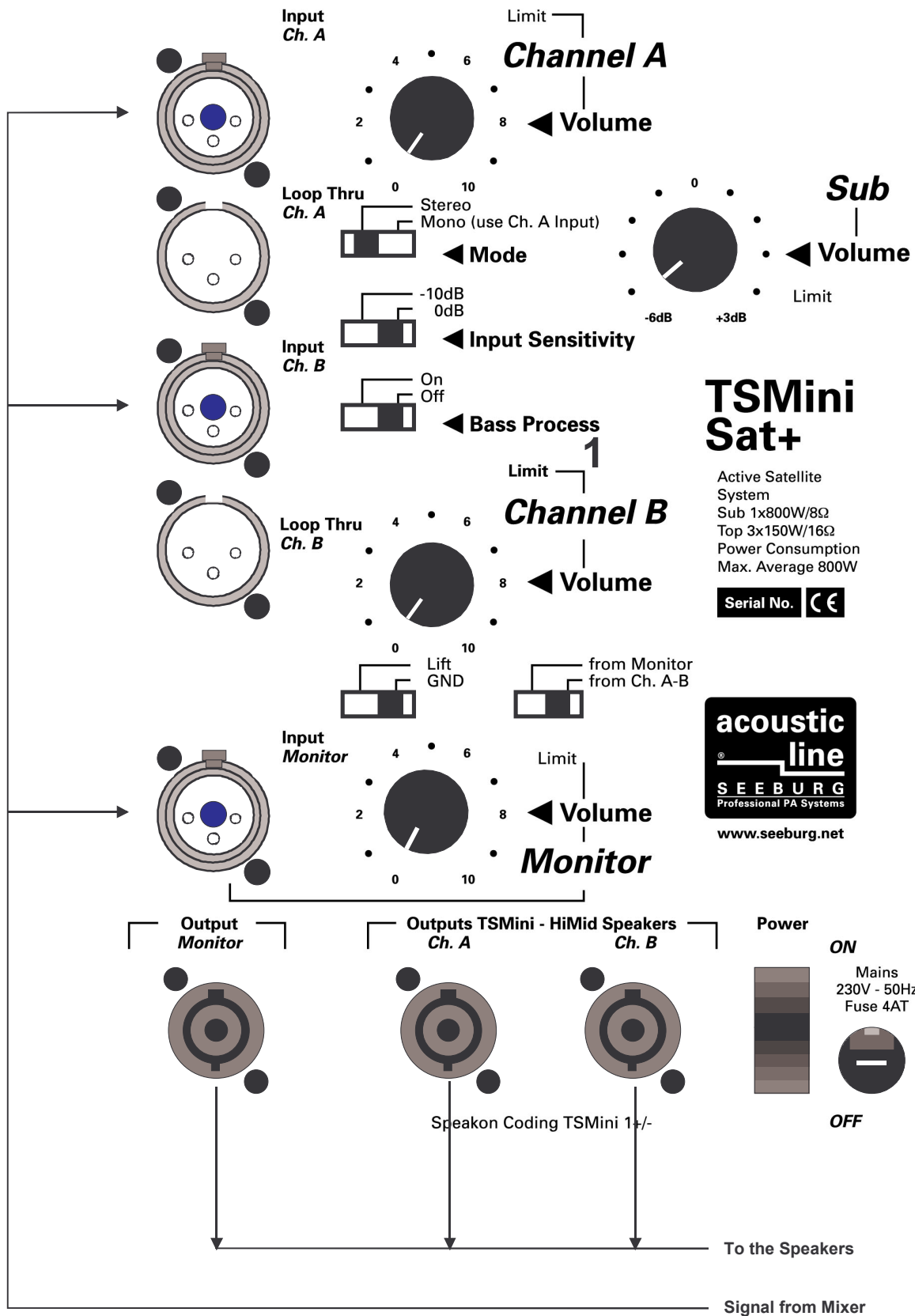
Speaker connection

The following figure shows the principal connection of the speakers.



The TSMini Sub+ speaker outs are rated for a minimum impedance of 16 Ω . Please insure not to under match.

Controls and connections



Connectors

Input Ch A, Input Ch B, Input Monitor

Combined female XLR and TRS Jack input connectors for a balanced or unbalanced signal source.

XLR: Pin 1 = Ground/Shield, Pin 2 = hot (+), Pin 3 = cold (-)

Jack: Sleeve = Ground/Shield, Ring = cold (-), Tip = hot (+)

Loop Thru Ch. a and Loop Thru Ch. B

XLR male connectors provide a parallel input feed for external audio appliances.

XLR: Pin 1 = Ground/Shield, Pin 2 = hot (+), Pin 3 = cold (-)

Output TSMini – HiMid Speakers

Speakon connectors (to insure shock-hazard protection) for the included speaker cables to connect the TSMini enclosures.

Speakon: Pin 1+/-

Output Monitor

This Speakon connector feeds an optional third satellite or monitor speaker. We recommend the SEEBURG acoustic line TSMini. If you prefer a different speaker please regard the minimum impedance of 16Ω to avoid thermal problems.

Speakon: Pin 1+/-

Controls

Channel A

Volume for channel A.

Channel B

Volume for channel B.

Monitor

Volume for the monitor channel.

Sub

Adjusts the subwoofer level in a range of -6dB to $+3\text{ dB}$.

Mono

General mode switch choosing from:

Stereo: Left **and** right input signals (from mixer) are used

Mono: Either left **OR** right input signal (from mixer) is used. This mode can be used to couple two TSMini systems to one stereo system.

Input Sensitivity

Matches the input sensitivity to the audio signal source.

Bass Prozess

Enables a bass boost of +6dB @ f=55Hz.

Ground Lift

Lifts signal ground from unit ground to avoid ground loops.

Monitor

Chooses the signal fed to the internal monitor amp:

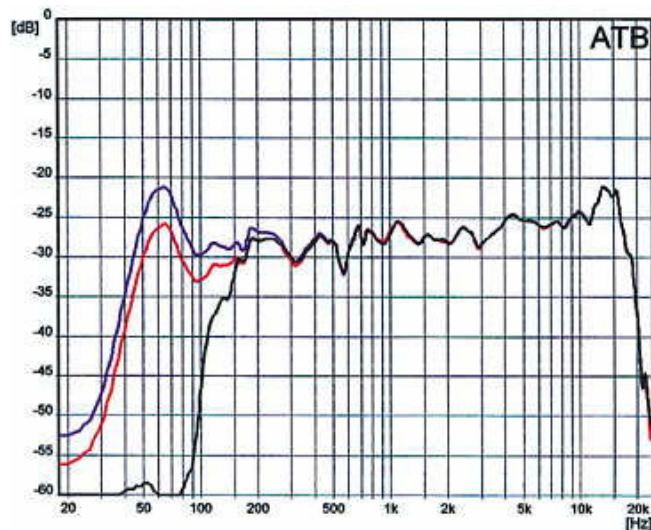
from monitor: the Speakon **Output Monitor** carries the amplified signal fed to the input **Input Monitor**

from Ch.A-B: the Speakon **Output Monitor** carries the mono sum of **Input Ch.A** and **Input Ch. B**.

Technical specifications

| | TSMini | TSMini Sub+ |
|-------------------------------|--|---|
| Components | 1x8", 1x1" | 1x12" Longcoil, 100mmVC 11,5mm Hub integrated controller amplifier 1 x 800W/8Ω RMS (Sub) 3x 150W/16Ω RMS (Top) |
| Usable range | 40Hz-22kHz (complete system) | |
| Tuning frequency | 80Hz | 50Hz |
| Nominal power handling | 150W | 1000W |
| Impedance | 16Ω | 8Ω |
| Crossover | 18dB/12db/oct. | --- |
| Cutoff frequency | 1900Hz | 150Hz |
| Handles | --- | 2 x 2D-handles |
| Flying points | 6 x M10 | --- |
| Finish * | Structured black paint | Structured black paint |
| Front | Metal front grill backed with black acoustic foam (65% permeability) | Metal front grill backed with black acoustic foam (65% permeability) |
| Connectors | 2 x Speakon® 4-pin | 3 x Speakon® 4-pin 3 x Neutrik combi-socket 2 x XLR socket Speakon®: 1+/- HiMid, 2+/- Bass XLR: Pin 1 GND, Pin 2+, Pin 3- |
| Weight | 9kg | 34kg |
| Dimensions H x B x T | 38 x 25 x 23cm | 40 x 44 x 48cm |

* optional RAL-colors available



TSMini Sub+ single plots and bass processing

Optional accessories

| | |
|-------|--|
| 01213 | Flying bracket for TSMini |
| 1218 | Halfcoupler 2" for flying bracket |
| 1219 | Doughty Trigger Clamp for flying bracket |
| 7642 | Eyebolt M10, DIN 580, galvanized |
| 8131 | Wall bracket (max. 15kg, M10) |
| 16050 | Flightcase for 2 x TSMini, 1 x TSMini Sub+, accessory compartment and dolly. |