

Elektron ST-62P

E-Lektron Live Power Mixer ST-62P Instruction Manual

Model: ST-62P | Brand: Elektron

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INTRODUCTION

This manual provides essential information for the safe and efficient operation of your E-Lektron Live Power Mixer ST-62P. Please read it thoroughly before using the device and keep it for future reference.

IMPORTANT SAFETY INSTRUCTIONS

- **Power Supply:** Connect the mixer only to a grounded AC outlet with the specified voltage (230 Volts). Ensure the power cable is not damaged or pinched.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the unit to rain, moisture, or liquids. Avoid placing liquid-filled objects on the mixer.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the mixer on a stable, flat surface. Avoid extreme temperatures, direct sunlight, and strong vibrations.
- **Cleaning:** Disconnect the power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners or aerosols.

PRODUCT OVERVIEW

The E-Lektron ST-62P is a versatile live power mixer designed for various audio applications. It features multiple input channels, an integrated amplifier, a media player with Bluetooth, and built-in effects.

Key Features:

- Live mixer with 4 microphone or instrument channels, 2 stereo channels, stereo media player channel, and stereo CD/TAPE input.
- Features a powerful integrated amplifier, making the ST-62P central to any performance.
- Fully equipped with a media player, Bluetooth connectivity, channel monitoring, and echo/reverb effects.
- The versatile integrated media player supports playback from an SD card or USB stick, and streams music via Bluetooth from devices like mobile phones.
- The media player also includes a recording function.
- Integrated powerful amplifier with 2 x 250 W music power.

Front Panel Controls:

The front panel provides access to all mixing controls, including input gains, equalization, pan, effects sends, and channel faders. The integrated media player and 7-band stereo graphic equalizer are also located here.



Figure 1: Front view of the E-Lektron ST-62P Live Power Mixer, showing all input channels, faders, EQ, effects, and media player controls.

SETUP

1. Unpacking:

Carefully remove the mixer from its packaging. Verify that all included components are present: the ST-62P mixer, power cable, and user manual.

2. Power Connection:

Connect the supplied power cable to the AC IN socket on the rear panel of the mixer and then to a suitable 230V AC grounded power outlet. Ensure the power switch is in the OFF position before connecting.

3. Input Connections:

- **Microphone/Line Inputs (Channels 1-4):** Use XLR cables for microphones or 1/4-inch (6.35mm) jack cables for line-level instruments (e.g., keyboards, guitars with preamps).
- **Stereo Inputs (ST1, ST2):** Use 1/4-inch (6.35mm) jack cables for stereo line-level sources.
- **CD/TAPE Input:** Use RCA cables to connect external audio sources like CD players or tape decks.

4. Output Connections:

- **Speaker Outputs (AMP R OUT, AMP L OUT):** Connect your passive speakers to these outputs using NL-2 Speaker plug cables. Ensure your speakers have a rated load impedance of 4 Ohms.
- **Main Output (L/R):** Use XLR cables to connect to external power amplifiers or recording devices.
- **Phones Output:** Connect headphones to the 1/4-inch (6.35mm) jack for monitoring.



Figure 2: Rear view of the E-Lektron ST-62P, illustrating the power input, speaker outputs (AMP R OUT, AMP L OUT), and cooling fan.

OPERATING INSTRUCTIONS

1. Powering On/Off:

After all connections are made, switch the main power button on the rear panel to the ON position. To power off, switch the button to OFF and then disconnect the power cable.

2. Channel Controls:

- **GAIN:** Adjusts the input sensitivity for each channel. Set this to achieve a strong signal without clipping (PEAK LED should not light up consistently).
- **EQ (HIGH, MID, LOW):** Three-band equalizer for tone shaping. Adjust HIGH for treble, MID for mid-range, and LOW for bass frequencies.
- **FX:** Controls the amount of signal sent to the internal effects processor.
- **PAN/BAL:** Pans the mono signal left or right in the stereo field (PAN) or adjusts the balance of a stereo signal

(BAL).

- **PFL (Pre-Fader Listen):** Activates channel monitoring through headphones, independent of the channel fader.
- **Channel Fader:** Adjusts the output level of each individual channel to the main mix.

3. Media Player Functions:

The integrated media player supports USB, SD card, and Bluetooth connectivity. It also has a recording function.

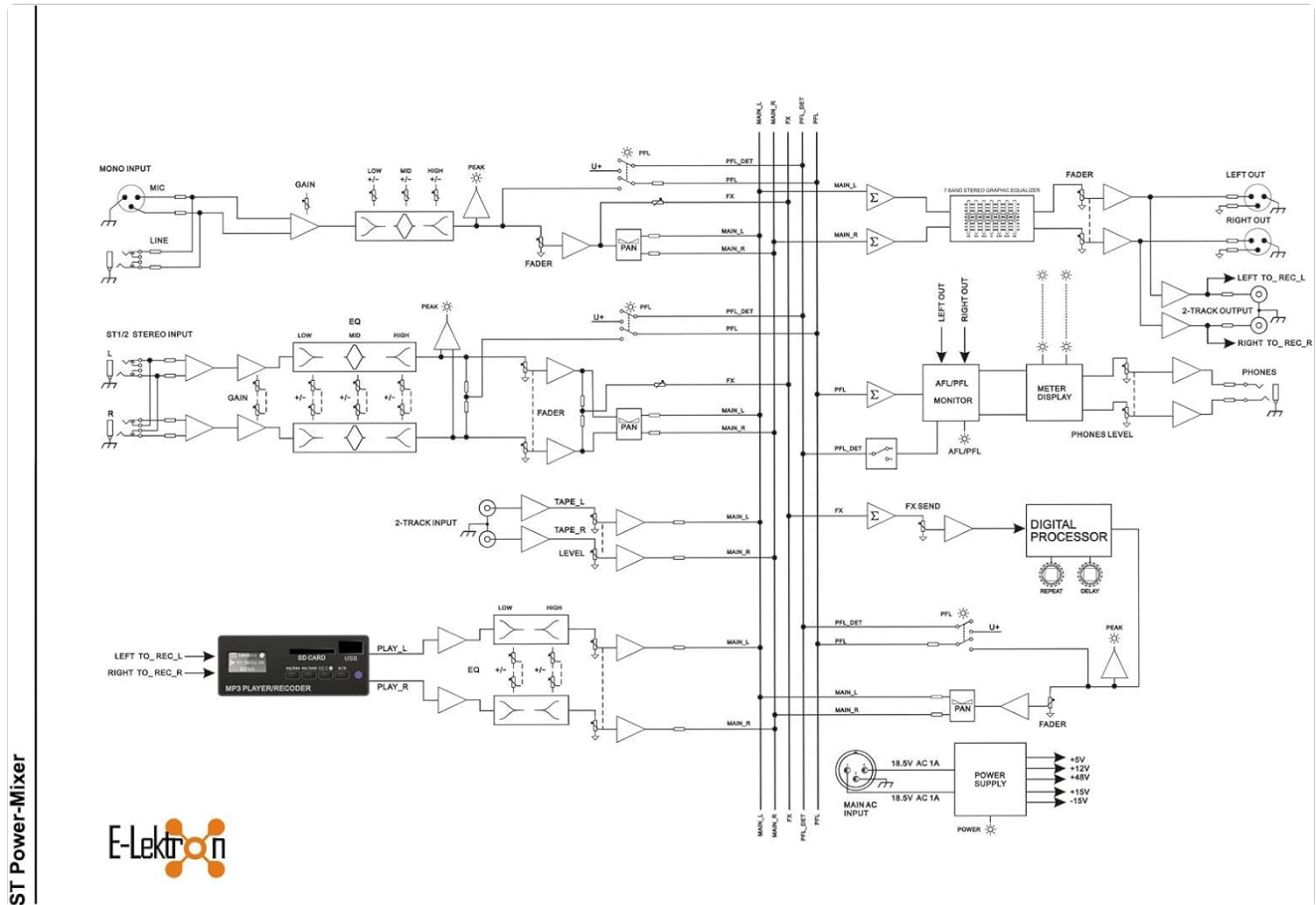


Figure 3: Close-up view of the media player and 7-band stereo graphic equalizer on the E-Lektron ST-62P.

- **USB/SD Playback:** Insert a USB stick or SD card into the respective slot. Use the player controls (Play/Pause, Next, Previous) to navigate and play audio files.
- **Bluetooth:** Activate Bluetooth on your mobile device and search for the mixer. Pair the devices to stream audio wirelessly.
- **Recording:** The media player can record the main mix directly to a USB stick or SD card. Refer to the media player's specific controls for recording activation.

4. Effects Section:

The mixer includes built-in echo/reverb effects. Use the FX controls on each channel to send signal to the effects processor, and adjust the overall effect level with the dedicated FX RETURN fader.

5. 7-Band Stereo Graphic Equalizer:

Use the sliders on the 7-band graphic equalizer to fine-tune the overall frequency response of the main mix. Each slider corresponds to a specific frequency band, allowing you to boost or cut frequencies as needed.

6. Main Output:

The MAIN OUTPUT faders control the overall volume of the stereo mix. Adjust these to the desired listening level.

MAINTENANCE

Cleaning:

Regularly clean the exterior of the mixer with a soft, dry, lint-free cloth. Do not use abrasive cleaners, solvents, or waxes. Ensure no dust accumulates in the ventilation grilles.

Storage:

When not in use for extended periods, store the mixer in a cool, dry place, away from direct sunlight and extreme temperatures. Cover the unit to protect it from dust.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; Power switch off; Outlet fault	Check power cable connection; Ensure power switch is ON; Test outlet with another device.
No sound output	Main faders down; Channel faders down; Speaker cables disconnected; Amplifier off/faulty	Raise MAIN OUTPUT faders; Raise individual channel faders; Check speaker connections; Verify external amplifier (if used) is on and working.
Distorted sound	GAIN too high; Input signal too strong; Speaker impedance mismatch	Reduce GAIN on input channels; Reduce input signal level from source; Ensure speakers are 4 Ohms.
Bluetooth not connecting	Bluetooth not enabled on device; Mixer not in pairing mode; Interference	Ensure Bluetooth is active on your device; Check mixer's media player for Bluetooth mode; Move closer to the mixer or reduce other wireless devices.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	ST-62P
Brand	Elektron
Manufacturer	E-Lektron
Product Type Name	Live Mixer
Number of Channels	6
Product Dimensions (L x W x H)	32.2 x 32 x 15.3 cm
Item Weight	7.2 Kilograms
Connectivity Technology	Auxiliary, Bluetooth, USB

Feature	Specification
Power Source	Electric Cable
Voltage	230 Volts
Frequency	30000 Hz
Audio Input	XLR
Output Connector Type	NL-2 Speaker plug, XLR
Included Components	Power cable, User manual, Mixer



Figure 4: Internal circuit diagram of the E-Lektron ST-62P Power Mixer.

WARRANTY AND SUPPORT

E-Lektron provides a spare parts availability for 5 years from the date of purchase. For technical support or warranty claims, please contact your retailer or the E-Lektron customer service department. Keep your proof of purchase for warranty validation.