MANUAL

MOBILE SOUNDSYSTEM

812660 – EL30-M

815860 – EL38-M

CAUTION: **BEFORE FIRST APPLICATION, BATTERY FULLY LOAD !!!**

(As of May 2017)

INTRODUCTION
Thank you for choosing the E-Lektron Soundsystem.

With the choice of the E-Lektron sound system, you have opted for a sophisticated product with appealing functionality.

The E-Lektron Soundsystem has been developed as a wide-use PA tool. Ideal as a single mini-PA.

This sound system is an active loudspeaker box with MP3 player, battery and receiver for 2 radio microphones. The box is equipped with transport rollers and a pull-out handle.

Please read the following connection and operating instructions and follow them so that you can enjoy all functions undisturbed and permanently.

CHARACTERISTICS
- 2-way speaker system
- Built-in amplifier
- Built-in media player
- Play music via Bluetooth
- Battery for mains independent operation
- Bass and treble controls
- Microphone and echo control
- Master volume control
- 12Vdc and 220Vac power supply

DELIVERY:
1 pc Sound System
2 pc Radio Microphone
1 pc Remote Control
1 pc Power Cord

IMPORTANT SAFETY INSTRUCTIONS
• This active speaker system must be connected to the power supply to charge the battery. The sound system can also work with the socket.
Always connect the system to an earthed outlet.
• The speaker system can work with mains voltages in the range 220-240Vac, 50Hz. If the operating voltage is not required, use the supplied mains plug.
• Check power cord and plug before switching on. If the cable or plug is damaged, replace the cable immediately.
For safety reasons, never modify the cable. Dispose of a defective cable in an environmentally sound manner.
• If the sound system does not work despite these instructions, please contact the seller. The housing should not be opened under any circumstances. Leave any service work done by qualified personnel.
WHEN OPENING THE HOUSING, DO NOT USE THE ELECTRIC SHOCK.
• Never operate electrical appliances in high humidity or heat. To prevent fire or electric shock, do not spill or spill liquids on the amplifier. If this happens, remove the power cord from the wall outlet and turn off the sound system.
• To prevent fire hazard, the fuse may only be replaced by the same type - the value can be found on the fuse holder above the power connection. BEFORE EXCHANGING THE FUSE REMOVAL!
• WARNING: Extremely high sound levels can cause permanent hearing damage. Please use this sound system carefully, to protect your own health and other persons.

MARKING & CONFORMITY
• CE & RTTE -conformity:

Manufacturer:
E-Lectron GmbH
Factory Street 3
D-48599 Gronau

Explanation on the sound systems EL30-M and EL38-M

The following harmonized standards:

EN50371, Health
EN60065, Security
EN301 489-1 / -9, Electromagnetic compatibility
EN300 422-1 / -2, radio equipment

Transmission frequencies: 197.15 MHz, 199.6 MHz - transmission power 10mW

• The dashed waste bin is designed to alert you to the WEEE Directive (2002/96 / EC) for electrical and electronic waste. The device must be disposed of at a collection point for electronic waste equipment.

• RoHS compliant indicates that this equipment complies with the (2002 / 95EC) Directive for the restriction of the use of certain hazardous substances in electronic equipment, such as mercury, lead, cadmium, hexavalent chromium, plybrominated buphenyl (PBB) and ploybrominated diphenyl ethers (PBDE).

MECHANICAL EQUIPMENT
The sound system is equipped with a robust compression horn tweeter with titanium diaphragm and a powerful woofer with membrane in fabric suspension.
The hard-wearing ABS nylon fiber housing is equipped with a lockable stand holder, rubber feet and footrests for stacking and a side carrying handle. The box is equipped with transport rollers and a pull-out transport handle.

SERVICE
All electronic connections and control elements are located on the back of the box

(1) POWER indicator lights up when the sound system is switched on.

(2) Nameplate

(3) Charging indicator - lights up orange when the battery is charged and green when the battery is full.

(4) Antenna for radio microphone channel A.

(5) Radio microphone display channel A - lights up when receiving the radio microphone.

(6) Volume control radio microphone channel A.

(7) LINE-IN jacks - RCA jacks for connecting music source such as MP3 player, mobile phone, CD player or musical instruments with LINE-level output (sampler, keyboard, mixer, etc.).

(8) 6.3mm jack socket - for connecting a microphone. Use a high quality, shielded microphone cable to avoid unwanted background noise or feedback. The socket is unbalanced (asymmetrical) and works with microphone cable with mono-jack plug.

(9) 6.3mm jack socket - for connecting a microphone or passive instruments with transducer or pick-up, such as Electric guitar, electric bass, etc. Use a high quality, shielded cable to avoid unwanted background noise or feedback.

(10) TALKOVER switch - When this switch is set to ON, the music is automatically controlled quietly during microphone operation. This feature is ideal for passwords. After the end of the announcement, the music goes up automatically again. Set the switch to OFF when the music is to be left out, e.g. with karaoke or singing.

(11) Master volume control for the total volume of the sound system.

(12) Bass depth control, range -12dB to + 12dB.

(13) MODE - Select button Operating mode: LINE / SD / USB / Bluetooth / FM radio - Card and stick are only displayed when the media is actually plugged in.

(14) SD card slot - supports cards up to 16GB, but the system also works with larger cards of some manufacturers.

(15) USB connection - for playing music from USB sticks, memory can be supported up to 16GB, but the system also works with larger sticks of some manufacturers.

THE USB PORT CAN NOT BE USED TO PLAY MUSIC FROM THE CELL PHONE, LAPTOP, ETC.

(16) LCD display - Display of the operating mode, incl. Title display during MP3 operation. Take the protective film from the display before use.

(17) Sensor for infrared remote control. Please remove the protective film from the display, and point the remote control at the sensor. The range is approx. 3m.

(18) Keys for operating the functions of the MP3 player.

(19) Echo control for adjusting / showing the integrated echo effect on the microphone channel.

(20) Microphone volume control for cable microphones and instrument connection.

(21) Treble - Treble control, range -12dB to + 12dB.

(22) MIX-OUT jacks - for looping the audio signal to other active boxes or to a PA system. With the connected active box, the volume should be controlled to MAX.

(23) Radio microphone display channel B - lights when receiving the radio microphone.

(24) Volume control radio microphone channel B.

(25) Operation indicator Microphone receiver - lights up when the receiver is switched on.

(26) On / off switch for the two radio microphone channels.

(27) Antenna for radio microphone channel B.

(28) Fuse holder - the mains fuse may only be replaced by the same type. BEFORE EXCHANGING THE FUSE REMOVAL!

(29) Power Cord Connector - The speaker system can work with operating voltages in the range 220-240Vac, 50Hz.

(30) On / off switch. After application, the device should always be switched off, just pull the mains plug is not enough!

(31) MP3 input jack - 3.5mm jack for connecting a music source such as MP3 player, mobile phone, CD player

(32) 12Vdc connection socket - for operating the system to external a 12V (vehicle) battery. In the socket fit a 2.5x5.5mm DC plug. The current is max. 4 Amp.

Please pay attention to polarity reversal!

MEDIAPLAYER REMOTE CONTROL FUNCTIONS

WIRELESS MICROPHONE

The system is supplied with 2 radio microphones, each of which works on one of the two radio channels A (197.15MHz) or B (199.6MHz) of the system. To do this, the receivers for the radio microphones must be switched on at the sound system and the relevant volume controller must be turned up to about mid-range:

(33) Microphone basket - hold the microphone while talking about 5-10cm away from the mouth. If the microphone is placed directly in front of the speakers, feedback may occur, causing unwanted noise and / or sounds.
To avoid feedback, you can control the microphone volume, or place the microphone behind the loudspeaker. The feedback effect is significantly reduced by the microphone's renal recording characteristics.

(34) Switch with operating LED - the switch has 3 positions: OFF - OFF, STAND - BY - switched on but muted, ON - switched on and functioning. During operation, the LED lights up green, the LED turns red when batteries are almost exhausted.

(35) Battery compartment - turn the cover to the left to insert the batteries. The microphone can work for approx. 10 hours on 2 AA batteries (depending on the battery quality). Use only alkaline batteries.

The system has 2 radio microphone channels and can be connected to max. 2 wireless microphones. Possibly, one of the microphones could e.g. with a headset microphone. However, the system cannot be operated with more than 2 radio microphones: if more than one radio microphone is used per channel, interference will occur due to interference.

The microphone with a transmission frequency of 197.15 MHz (channel A) is marked with a blue marking on the ground, the microphone with a transmission frequency of 199.6MHz (channel B) has an orange marking.

ATTENTION: Microphones are relatively sensitive devices. The microphones are particularly sensitive to shock loads. If a microphone falls, it is defective.

BATTERY PACK

The sound system is equipped with a rechargeable battery for mains-independent operation. The battery is charged automatically as soon as the mains plug is plugged into a socket. The charging time of a completely exhausted battery is about 8 hours. After loading we automatically switch to maintenance store. But do not leave the appliance permanently plugged into the outlet.

Charge the battery before and after each application for permanent battery performance!

If the system is not used for an extended period of time, the battery should be charged at least every 30 days

The battery is a Gell battery with characteristics similar to a vehicle battery.

CAUTION: Charge the battery fully (at least 8 hours) before first use. Only after 3x charging the exhausted battery reaches the battery the full power.

CAUTION: Always switch off the device with the on / off button (30) after use so that the battery is not discharged further. Deep discharge will damage the battery.

ATTENTION: As soon as the battery is almost exhausted, the MP3 player stops or starts to sound. Charge the battery in this case.

BLUETOOTH

With Bluetooth, you can play music from a Bluetooth-equipped mobile phone, tablet or PC.
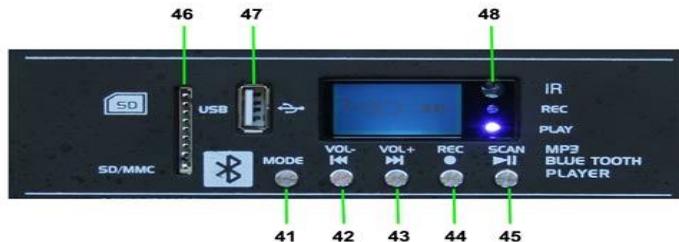
Proceed as follows:

1. Turn on the sound system and use the function key (13) to select: BLUETOOTH –
ATTENTION: after switching on the box remains about 1 minute "findbar".
2. Turn on Bluetooth on the phone and have the phone search for new Bluetooth devices
3. The mobile phone will find the sound system as "Bluetooth" (headphone profile)
4. Select the sound system on your phone and select: Connect
5. The display of the sound system will show: Connected, the display remains in the display as long as the connection remains stored.
6. You can now play music through the Soundsystem just as you would with a headphone
7. Hold the VOL- and VOL + buttons on the sound system to adjust the volume
8. You can simply overwrite the connection by repeating the process

   ATTENTION: If the mobile phone requires a password, please enter 0000.

TECHNICAL SPECIFICATIONS

	EL30-M	EL38-M
Operation At	220-240Vac or 12Vdc	220-2400Vac or 12Vdc
USB / SD -Port	Up to 16GB / FAT32	Up to 16GB / FAT32
Playable Files	MP3 / WMA / ID3-Tag	MP3 / WMA / ID3-Tag
Funkmicrophone system	VHF 197.15/199.6MHz (R&TTE conform)	VHF 197.15/199.6MHz (R&TTE conform)
Battery Funkmicrophone	2x 1.5V AA-Battery (Alkaline)	2x 1.5V AA-Battery (Alkaline)
Battery Capacity	3-5 hours (Volume-/Application)	3-5 Stunden (Volume-/Application)
Subwoofer	30cm - 12", Membrane in Fabric Bead	38cm - 15", Membrane in Fabric Bead
Horn Driver	Titanium-Dome, dynamic	Titanium-Dome, dynamic
Control Range Tone Control	per +/- 12dB	per +/- 12dB
SPL	max. 97dB	max. 99dB
RMS Power	350 Watt max.	450 Watt max.
Output Power Peak	700 Watt max.	900 Watt max.
Amplifier Power	100 Watt Low-Energy	150 Watt Low-Energy
Frequency Response	40 - 20.000 Hz	35 - 20.000 Hz
Measurement	56(H) x 35(B) x 31(T) cm	67.5(H) x 43(B) x 39(T) cm
	(With extended handle approx. 100cm high)	(With extended handle approx. 111cm high)
Weight	Approx. 14kg	Approx. 19kg

MEDIAPLAYER – E-Lektron EL-Soundsystem

(41) MODE - Select the operating modes / hold 2 sec. To activate from the menu / keep pressed longer to switch the player off and on again
(42) Short press during playback: 1 song back / hold: Volume quieter
(43) Short press during playback: Next song / hold: volume louder
(44) REC - press to start / stop the recording function - stored on SD or USB
(45) START-STOP for USB and SD operation / SCAN for FM radio operation / MUTE for music via cable connection
(46) Slot for SD card
(47) USB port, is only suitable for playing music from a USB stick. Connection of e.g. Mobile phone or laptop via USB port is NOT possible.
(48) Sensor for Infra-Red remote control

MUSIC PLAY ABOUT USB OR SD
After inserting the SD card or USB stick, the player automatically starts playing. If it is not the case, please press the (45) button or re-insert the media. The player does not recognize directories.
- - - SD cards / USB sticks up to 16GB are supported
- - - The player can only recognize FAT32 formatted cards / sticks

DANGER:
Only MP3 songs can be found on the card or the stick, other files can block the playback. Delete other files, even from the recycle bin, or re-format the card or stick (FAT32).

MEDIAPLAYER MENU
In each operating mode, there is a menu with further settings for the relevant operating mode. You activate the menu by holding down the MODE button (41) for approx. 2 sec. Use keys (42) and (43) to scroll through the menu, and press (45) to confirm your choice. Press "Exit" to exit the menu.

FM radio:
Search, store and delete stations, activate recording and adjust volume from the radio to other sources
USB / SD "Play"
Repeat, random selection, equalizer, manual selection of songs, volume from player to other sources
USB / SD "Pause / Stop"
Selection of songs, remove songs
AUX
Activate recording, adjust volume from the cable connection to other sources
Bluetooth
Disconnect connection, adjust volume to other sources

DANGER:
The functionality is continually developed and adapted. Not all functions are available on all devices, images and texts may differ.