Lenco
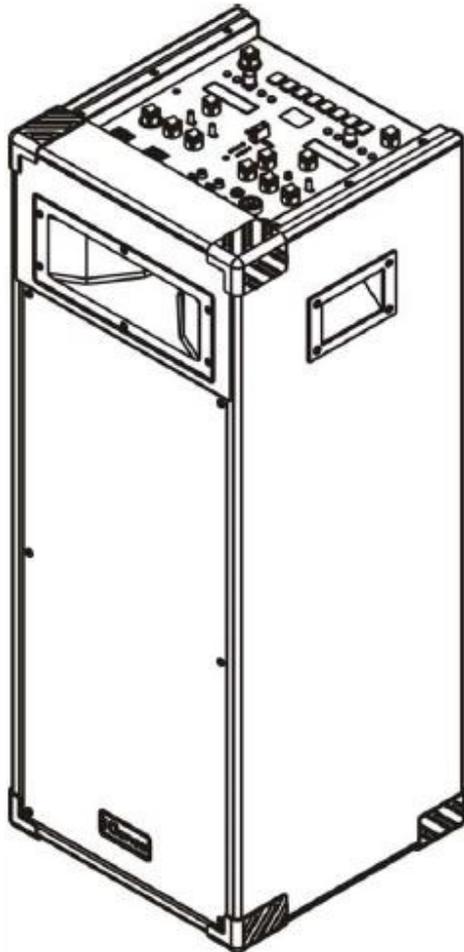
PA-1500
PORTABLE SOUNDSYSTEM WITH 2x
USB AND BUILT-IN MIXER

Instruction manual

For information and support, www.lenco.eu

SAFETY INSTRUCTIONS

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
	The lightning flash with arrowhead symbol inside an equilateral triangle is intended to alert user of the presence of an insinuated hazardous voltage" within the product's enclosure, which maybe of sufficient magnitude to induce a risk of electric shock to persons.	
	The exclamation mark inside an equilateral triangle is intended to alert user that important operating and maintenance (servicing) instructions are present in the booklet accompanying the product.	
	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.	
CE	This unit complies with European safety and electrical interference directives	

1. Read and follow all instructions. Pay attention to all warnings and keep this booklet for future reference.
2. Do not use this apparatus near water.
3. Clean only with dry cloth.
4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) producing heat or high temperatures.
6. Do not place objects on the power cord, do not walk over the power cord. If the power cord is damaged do not use it anymore.
7. Only use attachments/accessories specified by the manufacturer.
8. Use only with 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 the cart/apparatus combination to avoid injury from tip-over.
9. Unplug this apparatus during lightning storm or when unused for a longer period of time.
10. Refer to qualified service personnel only when servicing is required. Servicing is required when the apparatus has been damaged in any way. When a power-supply cord or plug is damaged, liquid has been spilled in or on the apparatus, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
11. The apparatus must not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on the apparatus.
12. The MAINS plug or an appliance coupler is used as a disconnect device, which shall remain readily operable.
13. The equipment must be connected to a MAINS Socket outlet with a protective grounded connection.

Warnings

WARNING: The USB memory stick should be plugged into the unit directly. Don't use an USB extension cable because it can cause interference resulting in failing of data.

WARNING: long term exposure to loud sounds from personal music players may lead to temporary or permanent hearing impairment. When participating in traffic, listening to an personal music player makes the user less aware of ambient sounds. This can cause danger to the user of other road users.

Notes

Lenco reserves the right to alter product specifications without prior notice.
Lenco is not responsible for printing errors in this manual.
Lenco is not liable for any consequential damage
This instruction manual is subject to change without notice

Box content:

1x Main unit
1x AC power cable
1x Microphone
1x Microphone stand
1x Instruction manual

IMPORTANT NOTE: If there are parts missing in the box please contact your dealer as soon as possible.

Dear Customer,

Thank you for purchasing the Lenco PA-1500 portable audio system.

The PA-1500 enables you to make a party everywhere because the PA-1500 contains of

- a twin USB MP3/WMA player
- a mixer
- an amplifier
- an equalizer
- a 792 jingles player
- three speakers and more…

Just plug in your USB stick and play your MP3/WMA files without the need of a computer. Via the AUX input you can connect other devices such as an iPod, iPhone, iPad or a CD player.

Lenco PA-1500 portable audio system features a powerful speaker system. A solid and portable construction and a removable microphone stand with wheels make the Lenco PA-1500 the ideal product to make the party anywhere. You can play music and mix songs on two different USB's with the DJ-style cross fader and sing or rap with just one portable unit: the Lenco PA-1500.

Lenco PA-1500 features 792 programmed jingles with a loop and pitch control to match any beats, 99 banks with clear category selection will let you inject the JINGLES at any time , drum your sounds using the 8 rubber pads.

Change your voice with the vocal changer and heat the dance floor like a professional DJ. The Lenco PA-1500 will make the party. The PA-1500 is easy to move and easy to use.

Features

- Dual USB MP3/WMA Player with LCD
- Supports USB pen up to 32GB (more than 5000 songs)
- 792 built-in jingle sounds, with loop and adjustable tempo (+/- 30 %)
- 8 rubber pads to drum the jingles on the FLY
- Adjustable Vocal Changer
- Recessed wheels and handles for easy transportation
- Heavy-duty construction
- 3 Way System – Bass REFLEX
- 3-Band Equalizer on Master output
- MASTER OUT for power upgrade
- AUX Input to mix with your external music source

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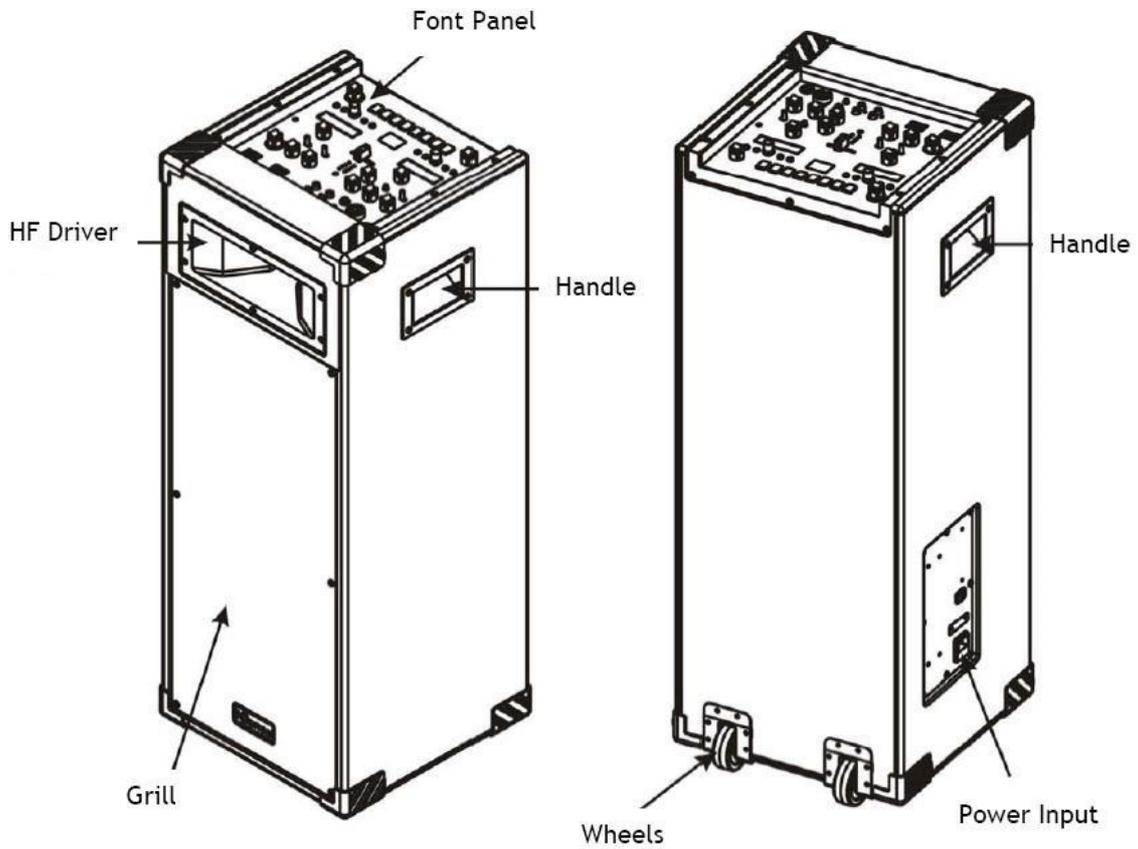
Layout of the PA-1500

Fig. 1

System installation

The Lenco PA-1500 is an ALL-IN-ONE ready to use audio system. Simply place the Lenco PA-1500 on a straight and solid surface.

1. Check if the power ON/OFF switch (number 3 in Fig. 2) is in OFF position. If not, you need to turn the switch in OFF position.
2. Depending on the country where you are using the unit you need to switch the voltage selector (number 2 in Fig. 2) between AC range 100~120V AC 60Hz or 220~230V AC 50Hz
3. Connect the power cable to the unit and AC outlet (number 1 in Fig. 2 or to Fig. 3).
   Note: Here you find a built in fuse, if it is damaged you can replace it with a fuse that has the same specifications, see chapter replacing the fuse.
4. Connect the microphone stand to the main unit and plug the microphone in the MIC1 connection (Fig. 3).
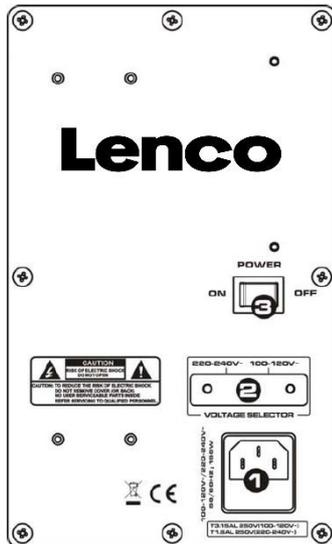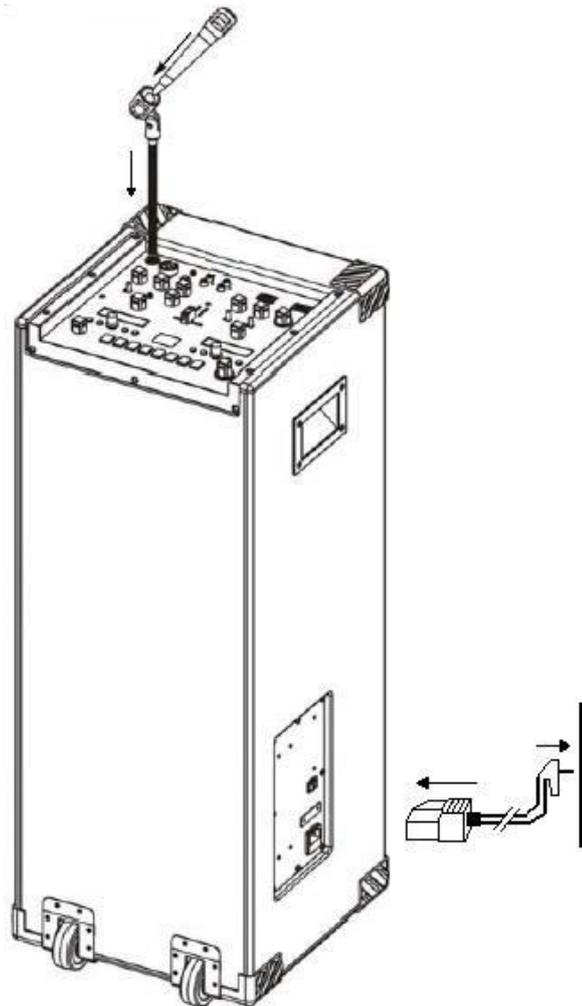5. Place the power ON/OFF switch in ON position. Now the unit is ready for use!

Fig. 2

Fig. 3

Operation

When the power switch (number 3 in fig. 2) is turned ON the unit will start up and the message WELCOME! will be displayed on both LCD displays.
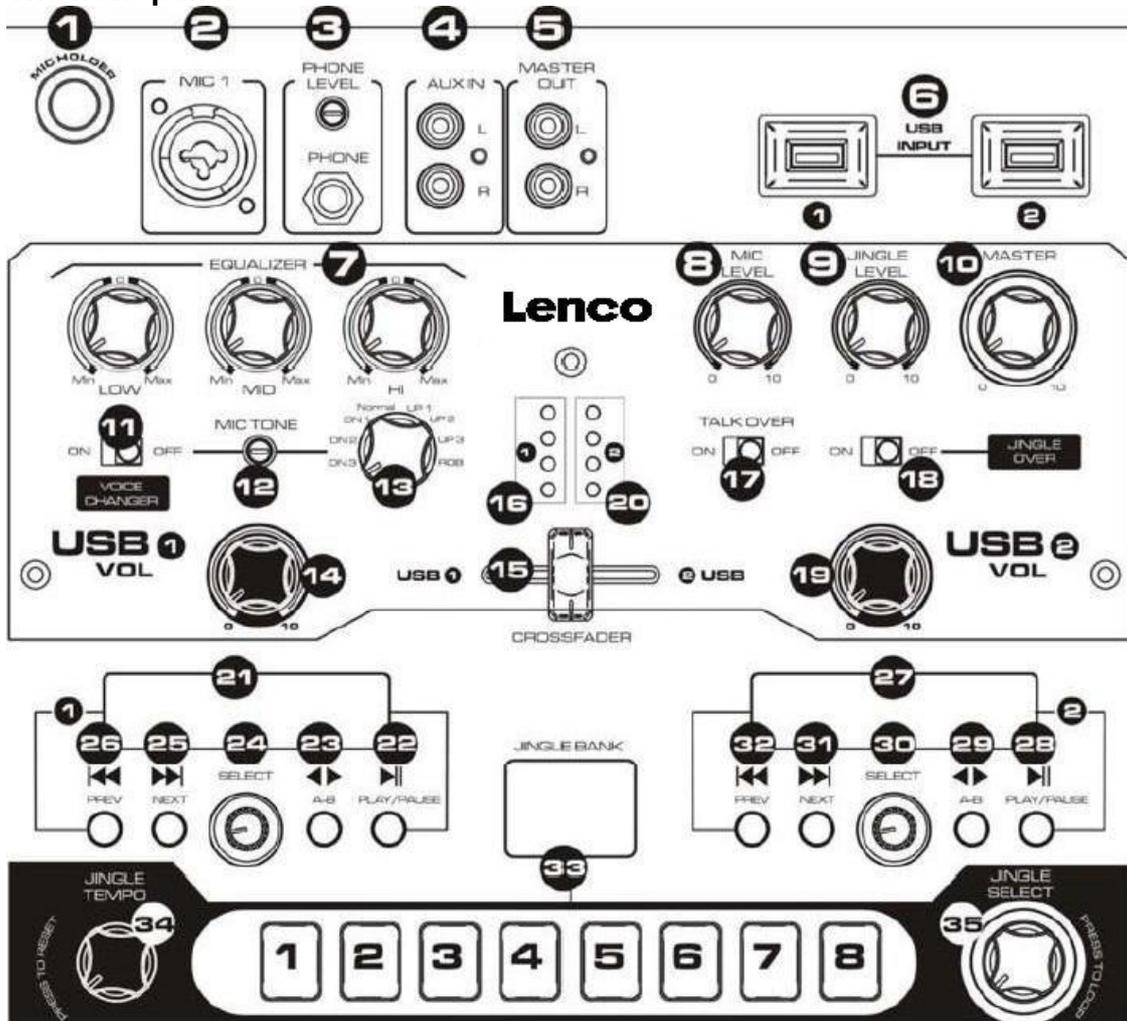
The front panel

Fig. 4

1. **Mic Stand:** Screw the microphone stand here.
2. **Mic 1:** Connect a 6.35mm unbalanced or XLR balanced microphone here.
3. **Headphone:** Connect a ¼" stereo headphone here. Use the phone level knob to adjust the volume level of the headphone. Turn the knob left to decrease the volume and turn it right to increase the volume. The rated output is 0dB. The volume of the headphone is depending on the cross fader settings. See point 15 for more information about the cross fader.
4. **AUX IN:** Connect the RCA jacks to an external audio device.
   Note: RCA Cable not included.
5. Master OUT: Use the RCA jacks to connect the PA-1500 with an external amplifier.
   Note: RCA Cable not included.

6. **USB Sockets**: Connect an USB device (up to 32 GB) to the MP3/WMA files. There are 2 sockets, USB 1 (left) and USB 2 (right).
7. **Equalizer**: Adjust the levels of the low (bass) / middle / high (treble) tones for the master output.
8. **Mic Level**: Turn to the left to decrease the microphone output volume. Turn to the right to increase the volume.
9. **Jingle level**: Turn to the left to decrease the jingle output volume. Turn to the right to increase the volume of the jingle.
10. **Master**: Turn to the left to decrease the master output volume. Turn to the right to increase the volume.
11. **Voice changer**: Set this switch in ON position to activate the voice changing function. When this function is active your voice will be changed when speaking through the microphone. Set the switch back into off position to deactivate the voice changing function. See 13 for the voice changer effects.
12. **Mic tone**: Turn it clockwise for more treble and less bass, turn this knob counter clockwise for more bass and less treble.
13. **Voice changer selection knob**: Set the voice changer effect from down pitch -3 "DN3" to higher pitch +3 "UP3". There is also a robot voice function "ROB".
14. **USB Vol 1**: Turn to the left to decrease the USB 1 output volume, turn to the right to increase the volume.
15. **Cross fader**: Control the level of the audio signal from USB 1 and USB 2 to the master output, and in reverse direction to the head-phone output. For example:
    ▪ When the cross fader is for 100% at USB 1 you will hear USB 1 for 100% over the master output and USB 2 for 100% over the headphone.
    ▪ When the cross fader is for 75% at USB 2 you will hear USB 2 for 75% and USB 1 for 25% over the master output. Over the headphone you will hear USB 1 for 75% and USB 2 for 25%.
16. **Output power indicator (USB1)**: The left column is the pre-fader level of USB1. When the red LED is on you need to adjust the volume/gain to avoid unwanted distortion or damage to the speakers.
17. **Talk over**: Set this switch in ON position to activate the talk over function. When this function is activated all audio (except the microphone output) over the master output will be muted when the microphone is used. The audio over the headphone continues as normal. Set the switch back into off position to deactivate the talk over function.
18. **Jingle**: Set this switch in ON position to activate the jingle over function. When this function is activated all audio (except the jingle output) over the master output will be muted when a jingle is played. The audio over the headphone continues to play as normal. Set the switch back in off position to deactivate the jingle over function.
19. **USB Vol 2**: Turn to left to decrease the USB 2 output volume. Turn it to the right to increase the volume.
20. **Output power indicator (USB2)**: The right column is the pre-fader level of USB2. When the red LED is on you need to adjust the volume/gain to avoid unwanted distortion or damage to the speakers.

Point 21-26 are for USB1

21. **LCD display**: This display shows all necessary information about the track that is being played. For a detailed explanation of this function see chapter LCD Display.

22. **Play / pause**: Press this button to play or pause the playback.

23. **A-B**: This function creates a loop beginning at point A and ending at point B. Press A-B button to set point A, press A-B button again to set point B. The PA-1500 will now start to play the loop. When you press A-B again the loop will end.

24. **Select**: Turn to the left to go to the previous song, turn to the right to go to the next song. Push and turn it to browse between the folders. Push it again to select the folder, see number 6 in the part explanation of the display in chapter LCD display.

25. **Next**: This button has multiple functions.
    - Press it once to go to the next track. When you are at the last track of a folder you automatically go to the next folder.
    - Press and hold for fast forward.

26. **Previous**: This button has multiple functions.
    - Press it once to go to the previous track, When you are at the first track of a folder you automatically go to the previous folder.
    - Press and hold for fast backward.

Point 27-32 are for USB2

27. **LCD display**: This display shows all necessary information about the track that is being played. For a detailed explanation of this function see chapter LCD Display.

28. **Play / pause**: Press this button to play or pause the playback.

29. **A-B**: This function creates a loop beginning at point A and ending at point B. Press A-B button to set point A. Press A-B button again to set point B. The PA-1500 will now start to play the loop. When you press A-B again the loop will end.

30. **Select**: Turn this button to the left to go to the previous song. Turn it to the right to go to the next song. Press and turn it to browse between the folders press it again to select the folder, see number 6 in the part explanation of the display in chapter LCD display.

31. **Next**: This button has multiple functions.
    - Press it once to go to the next track, when you are at the last track of a folder you automatically go to the next folder.
    - Press and hold for fast forward.

32. **Previous**: This button has multiple functions.
    - Press it once to go to the previous track, when you are at the first track of a folder you automatically go to the previous folder.
    - Press and hold for fast backward.

33. **LED display & jingle trigger**: The 2 digit LED display displays the active jingle bank folder, the PA-1500 has 99 different jingle bank folders containing 792 different jingles. Press button 1-8 to trigger a jingle.
   - When the loop mode is off the jingle pads are retriggerable.
   - When the loop mode is on the you can start / stop the jingle playback.
34. **Jingle tempo**: Turn it clockwise to increase the tempo of the jingle up to +30%. Turn counter clockwise to decrease the tempo of the jingle with a max of -30%. If you press the button the default tempo will be restored.
35. **Bank select / loop**: You can turn this knob clock/counter-clockwise to browse through the different Jingle bank folders. Press this button to activate the jingle loop function. Press the button again to deactivate the loop function.

See chapter jingles sound list for a list of the jingle bank folders and the variety of jingles in the folders.

LCD Display

If there is no or a wrong USB stick plugged in, this display (fig. 5) will be shown:
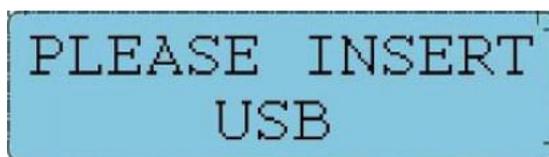

Fig. 5

If a USB stick is plugged in, the PA-1500 will start to read the content and the message "reading" is shown on the display. After the reading is completed the PA-1500 will start to play the content automatically, fig. 6 is shown on the display.
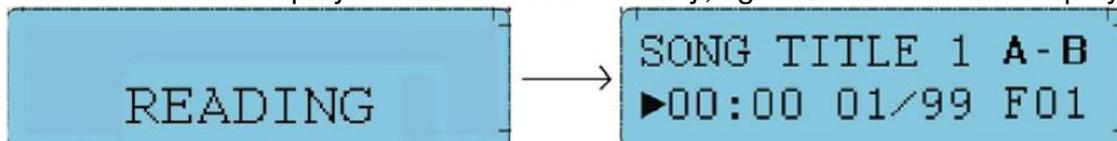
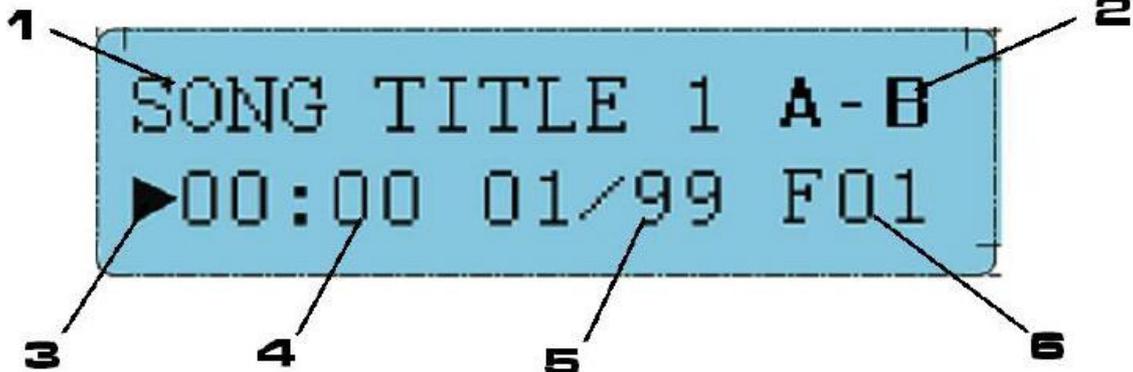
Fig. 6

Explanation of the LCD Display

Fig. 7

1. **Song title**: Here the ID3 tag information will be shown. If there is no ID3 tag information available the file name will be shown.
2. **A-B**: When the A-B button is pressed for the first time "A-" will be shown on the display. When the A-B button is pressed twice "A-B" will be shown on the display. This means that the A-B loop is active.
3. **Play/Pause**: this shows when a track is playing or is in paused position.
4. **Time**: This shows the current playback time.
5. **Track number**: Before the "/" the track number is shown. Behind the "/" the number of tracks in the folder is shown.
6. **Folder number**: Here the active folder is displayed. F00 is the root directory. The folder numbers are assigned alphabetically.
   - Example: folder name AA is F01, AE is F02 and B is F03

Extra information about USB sticks

99 files or folders can be set up in the root directory and 99 files can be placed in each folder. You can create 99 folders in the root directory. Folder in folder is not allowed because this will ultimately jam the PA-1500. See picture 8 for the allowed folder structure.
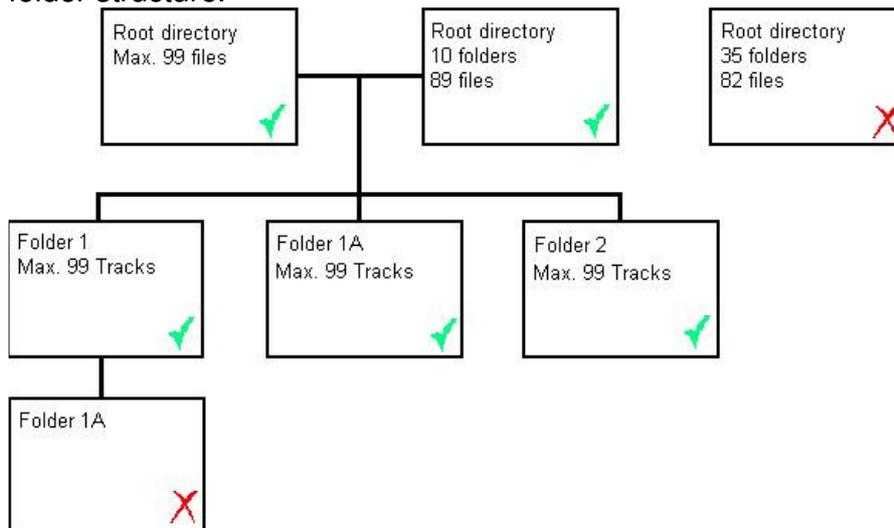

Fig. 8

USB Stick specifications & file specifications
Supported file types………………………………………………..MP3 / WMA
Sampling frequencies……………………………………22.05/24/32/44.1/48kHz
Bit rate………………………………………………………………….32-320 kbps
Max. supported size……………………………………………………………..32GB
USB Classification……………………….…………….USB 2.0 mass storage device

Replacing the fuse

If the PA-1500 does not start up anymore you can check whether the fuse is intact. Before taking out the fuse compartment always disconnect the power for your own safety To take out the fuse, use a screwdriver to remove the lid and pull it towards you. See fig. 9.
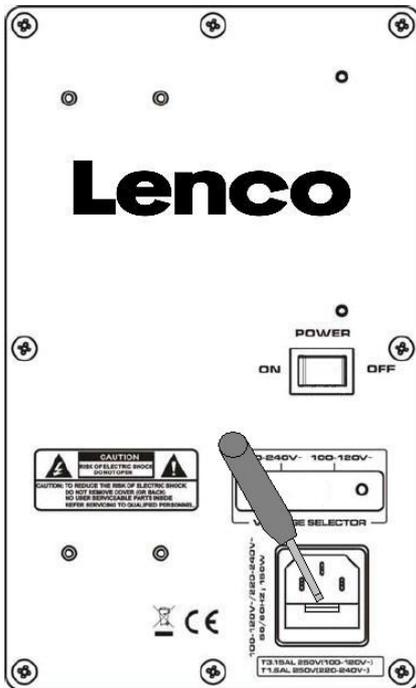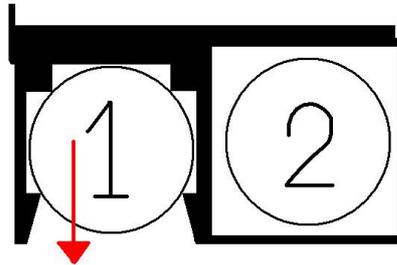

Fig. 10

You can remove the fuse by pulling it down, see fig. 10. Fuse 1 is the fuse that is being used, fuse 2 is a spare fuse. You can remove fuse 2 by pushing it out of the lock. The replacement fuse must be of the same specifications as the original one.

Fig. 9

Technical specifications

Rated output power……………………………………………..100 Watt at THD=1%
Speakers……………………………………………………...….2 x 10" @ 8 Ohm
High frequency driver…………………………………….……………1.35" Tweeter
Frequency response……………………………………………….20Hz-18kHz
MIC input sensitivity.…………………………………………………………10mV
S/N ratio……………………………………………………………..≥75 dB
Talk over………………………………………………….…..≥-13dB
Master output……………………………………………………1500mV
Power supply………………………………...……..100V-120V/220V-240V~50/60Hz
 (depends on distribution area, please refer to the back panel of the PA-1500)
Power consumption……………………………………….……………≥ 150 Watt
Dimensions (W x D x H) mm……………………….…………...340x340x900
NET Weight……………………………………………………………25.8KG

Service and support

Lenco offers service and warranty in accordance to European law, which means that in case of repair (both in and outside the warranty), you should contact your local dealer. **Please note**: It is not possible to send repairs to Lenco directly

Lenco helpdesk:

Germany   0699- 5307177
The Netherlands   0900-BELLENCO (0900-23553626)
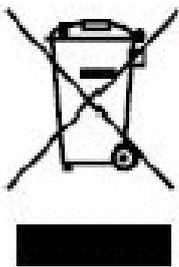Belgium   02.620.01.15
France   0170480005

The helpdesk is accessible from Monday till Friday from 9 AM till 6 PM.
In case your device needs repair our helpdesk will redirect you to your local dealer.

Jingles sound list

Bank	Type	Bank	Type	Bank	Type
1	Moving filter	41	Arpeggio	81	Male vocal
2	Sequence filter	42	Jazz	82	Male vocal
3	Flamenco	43	Bass loop	83	Male vocal
4	Flamenco	44	Bass loop	84	Male vocal
5	Flamenco	45	Sweep	85	Male vocal
6	Latin	46	Hip-Hop song	86	Female vocal ad lib
7	Percussion	47	Lead	87	Female vocal ad lib
8	Trumpets	48	Chords	88	Robot voice
9	Pianos	49	German Folk	89	Robot voice
10	Drum loops	50	Jingles	90	Ambience loops
11	Dance beat	51	Jingles	91	Explosion guns
12	Hip-Hop beat	52	Jingles	92	Police
13	Hip-Hop beat	53	Jingles	93	Police
14	R & B beat	54	Jingles	94	Airport
15	Guitar	55	Applause & Laugh	95	Transport
16	Guitar	56	Funny voice	96	Transport
17	Guitar riff	57	Funny sound	97	Alarm & Siren
18	Guitar riff	58	Reggae vocal	98	Glass breaking
19	Guitar riff	59	Animals and nature	99	Telephone & bells
20	Guitar riff	60	Orchestral hit		
21	Rock drum	61	Orchestral hit		
22	Live room	62	Orchestral		
23	live break	63	Orchestral		
24	Live stick	64	Oriental		
25	Snare roll & robo	65	Noise FX		
26	Guitar	66	Noise FX		
27	Guitar riff	67	Noise FX		
28	Guitar riff	68	Noise FX		
29	Guitar riff	69	Noise FX		
30	Guitar riff	70	Flute		
31	Scratching	71	Disco vocal		
32	Scratching	72	Disco vocal		
33	Scratching	73	Disco vocal		
34	Scratching	74	Hip-Hop vocal		
35	Scratching	75	R&B vocal		
36	Scratching	76	R&B vocal		
37	Bass+DJ	77	R&B vocal		
38	Bass+DJ	78	R&B vocal		
39	Atmosphere	79	Female vocal		
40	Arpeggio	80	Female vocal		

By   Magix(TM) MAGIX   and   Deckadance(TM) Deckadance

This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive).

For information and support, www.lenco.eu