« Loboo®

PAW 6000
Reference Audio Player

User Manual

Appearance

## Key Definition
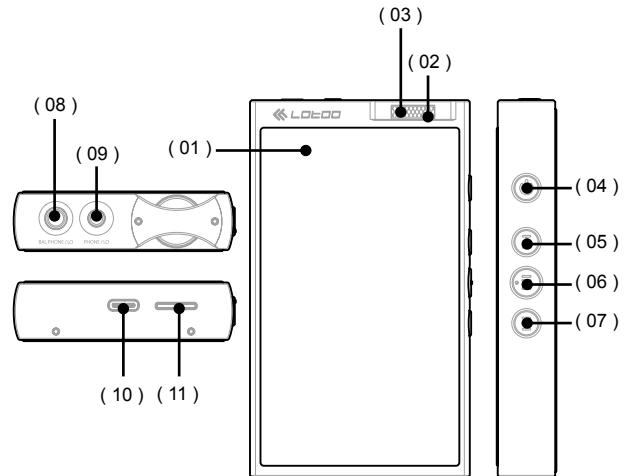
(01)	Touchscreen
(02)	Breathing LED
(03)	Volume knob
(04)	Power / Screen lock
(05)	Next/Fast forward
(06)	Play/pause
(07)	Previous/Fast backward
(08)	4.4mm balanced Line /Headphone output
(09)	3.5mm unbalanced Line / headphone output
(10)	USB Type-C
(11)	TF card slot

Preparation

Package Contents

The package includes following items. If anything is missing, please contact your supplier.
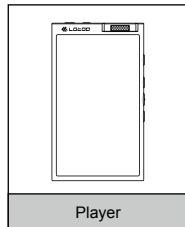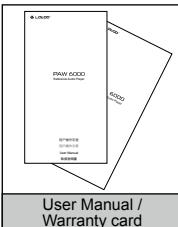
Player	User Manual / Warranty card	Leather case
USB Type-C cable	Screen protection film	Cleaning cloth
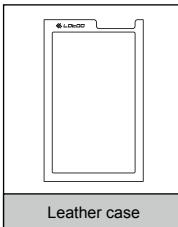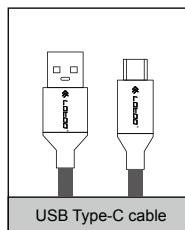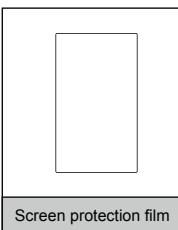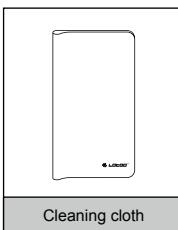
> ✉ Notice：
> Updated user manual can be downloaded at www.lotoo.cn

Power

• Power on

1) When the player is powered off, long press "Power/ Screen lock" to turn on the device.

2) When the player is powered on, short press "Power/ Screen lock" to activate or turn off the screen.

3) Advice: Turn off the screen will help saving battery power and improving the playback time.

• Power off

Long press "Power/ Screen lock"till you see the power off notice. Slide to turn off.

Battery Recharge

• When the player is connected to an USB power adapter, Recharge starts immediately.

• When the player is powered on and connected to a computer USB port, Please choose "recharge" icon on the screen.

• The capacity of the battery is about 19.5Wh, the typical charging time is about 4 hours from 0%.

• Playback while recharging:With power adapter connected, the player can still play music while recharging.

• For faster recharging, please choose power adapters with the max current output higher than 2A.

TF Card

• TF card mounting

Open the cover at the bottom of the player, push the TF card into the slot till locked.

• TF card ejecting

Push the TF card to the end and release for ejection.

> ✉ Notes:
> • The player has no internal storage.
> • The maximum supported capacity is 2T bytes.

Headphones / Volume

• The player have both 3.5mm and 4.4mm headphone jacks.

• The player will pause if headphones are pulled out during playback,.

• Rotate the volume knob, or move the slider to adjust volume. (knob can be set to clockwise or counter-clockwise for turning up the volume in the setup menu.)

• To protect your hearing, please turn down the volume below 30 before changing headphones.
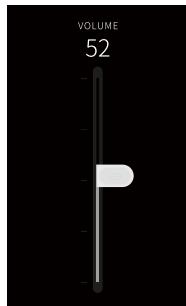
⚠ Notes:

As there is no built-in speaker, music can be listened through headphones only.

File Transfer

The player is equipped with USB 3.0 port, which supports extreme high-speed transfer speed.

1. Connect the player to the computer (MAC or PC) with the USB 3.0 cables attached.

2. Choose "Storage" icon on the screen.

3. Copy the files to the pop-up "Removable Disk".

4. After transfer finished, eject the "Removable Disk".

5. Disconnect the USB cable.

Wireless Connectivity

The player supports both Bluetooth connection.
• Bluetooth

For new Bluetooth device:

1) Switch on "Bluetooth" in the setup menu, player starts to search for new devices.

2) Choose the device you want to connect. Till pairing success.

For device already paired:

1) Switch on "Bluetooth" in the setup menu.

2) Choose the device in the history device list .

Status Bar
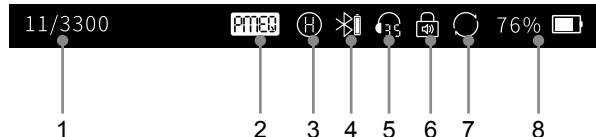
1	Current / Total track
2	PMEQ / ATE effect
3	Gain
4	Bluetooth
5	Output Type
6	Volume lock
7	Repeat Mode
8	Power display

The Drop-Down Menu

Pull from top of the screen will activate the drop-down menu.
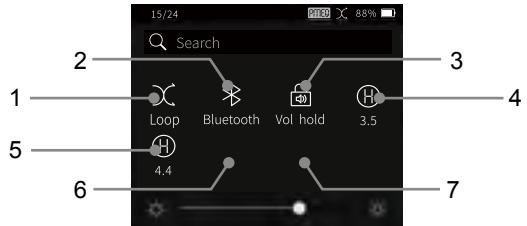
The menu includes following icons

|	
1	Repeat Mode
2	Bluetooth
3	Volume hold
4	3.5mm Unbalanced Output Gain Settings
5	4.4mm Balanced Output Gain Settings

Music Playback

Home Screen

PAW 6000 have Play list, Album list, Songs, Folders, Artists and Settings on home Screen.

• Play music

Click < ▶ > at the bottom of home screen to play music.

• Pause

While playing, click < ‖ >at the bottom of home screen to pause.

• Previous & Next

While playing, click< ◀ > or < ▶ >at the bottom of home screen to switch to previous or next song.

• Playing progress bar

Slide in the progress bar area for quickly locating in the music file.
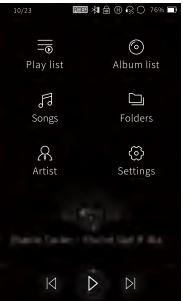
Playback Screen

In the playback screen, slide the cover area to switch screen information.

• Album cover

Shows the album cover if available.

• Song info

Shows the detailed song info.

• Lyrics

Shows the lyrics if available.

• PRO audio mode

Shows the peak meter and frequency spectrum for professional users.
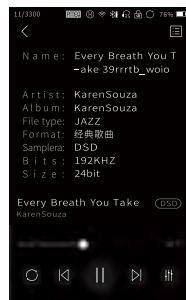
File Browser

File Browser

Click on the "Folders" on the home screen to enter File Browser, to manage music files on the TF card.

• View music file

Click on folders list, slide the screen page in up or down to view music files.
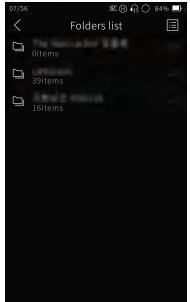
• Return to the previous level

Click on< 〈 > to return to the previous level.

• Delete music files

Slide on the filename from right to left to show the delete option. Click "Delete" to delete the file permanently.

• Play all files in the folder

Enter the folder you want to play, click on any of the files.

• Add music or whole folder to playlist

Slide on the filename or folder from right to left, select "Add to Playlist"

⚠ Notes:

File browser shows supported audio files only.

Play List

Play List

There are 3 editable playlists: <My favorite> <Recent> and <All songs>.

• My favorite

For adding your favorite songs to it.

• Recent playlist

Recent played songs.

• All songs

Show all the songs in TF card.

• Delete playlist

Slide on the playlist from right to left to show the delete option.

Click "Delete" to delete the playlist permanently.

• Song sorting

Click the button on the top right corner, then you can sort songs by quality, sample rate or name.

⚠ Notes:

File browser shows supported audio files only.
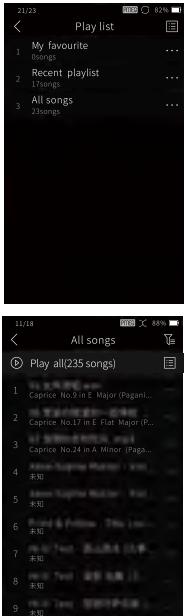
Setup

Playback Setup

Play mode	(List loop)
	Shuttle
	Single repeat
	顺序播放
Sleep timer	(OFF) / 10-120 min

Show lyrics	(On)/Off
文件切换效果	关闭 / 无缝播放 /（结尾淡出）

✉ Notes:
The options in brackets are factory default settings.

Output Setup

4.4mm Balance output	LR balance	L3.0dB - R3.0dB
	Output type	Line out
		(balanced HP output)
	Output gain	(High gain)
		Low gain
	Line out	0dBu（0.77Vrms）
		+4dBu（1.2Vrms）
		（+8.24dBu（2Vrms））
		+14.4dBu（4Vrms）
		Unfixed
3.5mm Unbalanced output	LR balance	L3.0dB - R3.0dB
	Output type	Line out
		(unbalanced HP out)
	Output gain	(High gain)
		Low gain
	Line out	0dBu（0.77Vrms）
		+4dBu（1.2Vrms）
		（+8.24dBu（2Vrms））
		+14.4dBu（4Vrms）
		Unfixed
DSD USB output	（ PCM ）	
	DoP	
DSD play output	Gain	-18/-12/-6/0/+6dB

VU meter	Pre fader
	(Post fader)

⚠ Notes:
The default value of LR balance for both 4.4mm and 3.5mm output are zero.

Player Setup

Breathing LED	On/(Off)	
雙擊喚醒	On/(Off)	
按鍵鎖定	On/(Off)	
Volume knob	(Clockwise to turn up)	
	Counter clockwise to turn up	
Power	Auto power-off	Off /（1min）/ 5min /10min / 15min / 30min
	Screen off	(10s) / 30s / 1min / 2min / 3min / 5min
Language select	English	
交換側邊 FF/FB 按鍵	（正常) / 交換	
鍵盤	（英文）/ 中文 / 日文	

Audio Setup

Hardware decode	(On)
	Auto
EQ setting	EQ Editing
	My EQ plan
ATE	Brighter
	Sweet
	Dental
	Style 701

	Style 990
ATE	Diffuse field (Near field)
	Diffuse field (Far field)

		(Short delay sharp rolloff)
		Sharp rolloff
	PCM	Slow rolloff
Filter		Short delay slowrolloff
		Super slow rolloff
		Low dispersion short delay
	DSD	(Cut off low frequency)
		Cut off high frequency

	On/Off
Bluetooth	Bluetooth DAC

	Total space
	Free space
TF card	Total tracks
	Formatting TF

	Device name
Information	Model

|	Software version
	Hardware version
	Legal info
Versions	□□□□
	□□□□
	□□□
	Factory reset

> ⚠ Notes:
> The values in the brackets are default ones.
> When doing factory reset, all settings included ATE will be reset to the original status.

Firmware Update

Firmware Update

• Before updating, please make sure the battery power is over 20%

• Download the firmware file from www.lotoo.cn and copy it to the <UPGRADE> folder on the TF card

• Enter Settings, click on the software version, then follow the instruction on the screen.
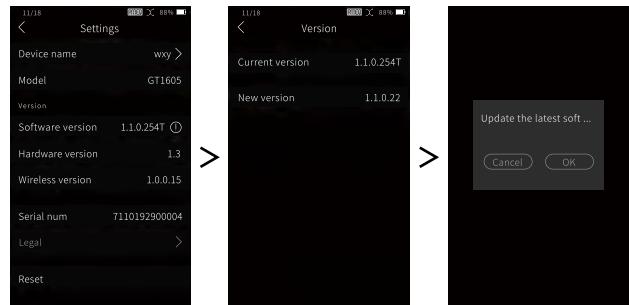
> ⚠ Notes:
> • We reserve the right to change the product function without any further notice.
> • The firmware update will not automatically delete files, but improper operations may cause update failure. In exceptional cases, you may need to reformat the TF card; therefore, please backup all the files on the TF card before updating.
> • Be sure to carefully read this manual before operation; the firmware of this device is inapplicable to other products.

Misc

Troubleshooting

In case of the following failures, please try to resolve them with the notices.If the problem still exists, please contact our after-sales service.

• Failure to boot

Low battery voltage makes boot unavailable. Please recharge the battery and retry.

• No sound from headphones

The volume knob is set to minimum. Please adjust the headphone volume.

The headphones have been damaged or in poor contact. Please try another ones

The level of music files is too low.

• Files on TF card cannot be seen

Unsupported music files will not be shown on the player.

Music files are damaged.

• File name without extension

Music files with a".cue" index file will not show extensions.

• Playlist error

Reinsert the TF card for a database rescan.

• TF card formatting notice

TF card damage or unrecognized disk format, please backup all the files and reformat on the player.

Safety Notice

• Product Safety

— Do not place any heavy objects on the device; otherwise, it may give rise to damage or malfunction.

— Do not use the device in humid environment; otherwise, it may cause damage to the circuit.

— Do not use the device in dusty or smoky areas; otherwise, it may give rise to damage or malfunction.

— Do not get the device close to magnetic substances; otherwise, it may give rise to damage or malfunction.

— Do not beat the device and its accessories; otherwise, it may cause serious damage or malfunction.

— Do not clean the device with chemical solvents or detergents; otherwise, it may cause damage.

— Do not use the device in thunder and lightning weather; otherwise,

it may cause injury.

— Do not disassemble the device by yourself; otherwise, it may cause damage.

• Battery Safety

— Do not place the device in fire, or heat the device; otherwise, it may explode.

— Stop using immediately if the battery is in high temperature.

Spec

Spec

• General Spec

Formats	DSD 64/128/256 DFF / DSF / ISO
	WAV / MP3 / FLAC / APE / OGG / M4A / AAC
Display	3.77 inch touchscreen
DAC chip	AKM4493EQ
Headphone chip	OPA1622
USB	USB3.1 Type-C
Storage	TF card(Up to 2TB)
Battery	5400mah Li-Polymer
Bluetooth Audio	Bluetooth 4.1
Size	112*65*18mm(Bulge parts not included)
Weight	225g
Firmware Update	Supported

• Balanced Headphone Output(4.4mm)

Freq Response	+0.004/-0.254 dB (20~20kHz)
THD+N	0.00022%@1kHz(20~20kHz, A-weight, No load)

SNR	121dB (20~20kHz,A-weight)
Output Level	+12dBu(High Gain) -5.6dBu(Low Gain)
Channel Isolation	-135dB
Dynamic Range	122dB@1kHz (20~20kHz,A-weight)
Noise Level	-120dBu

• Unbalanced Headphone Output(3.5mm)

Freq Response	+0.005/-0.259dB (20~20kHz)
THD+N	0.00025% @1kHz(20~20kHz, A-weight, No load)
SNR	121dB (20~20kHz,A-weight)
Output Level	+12dBu(High Gain) -5.6dBu(Low Gain)
Dynamic Range	122dB@1kHz (20~20kHz,A-weight)
Noise Level	-118dBu
Crosstalk	-120dB

• Balanced Line Output(4.4mm)

Freq Response	+0.004/-0.254 dB (20~20kHz)
THD+N	0.00022%@1kHz(20~20kHz, A-weight, No load)
SNR	121dB (20~20kHz,A-weight)
Output Level	+12/+8/+4/0 dBu
Channel Isolation	-135dB
Dynamic Range	122dB@1kHz (20~20kHz,A-weight)
Noise Level	-120dBu

• Unbalanced Line Output(3.5mm)

Freq Response	+0.005/-0.259dB (20~20kHz)
THD+N	0.00025% @1kHz(20~20kHz, A-weight, No load)
SNR	121dB (20~20kHz,A-weight)
Output Level	+12/+8/+4/0 dBu
Dynamic Range	122dB@1kHz (20~20kHz,A-weight)
Noise Level	-118dBu
Crosstalk	-120dB

FCC Statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following twoconditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does
cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.
Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.