PAW Gold Touch

Reference Audio Player
User Manual

Key Functions
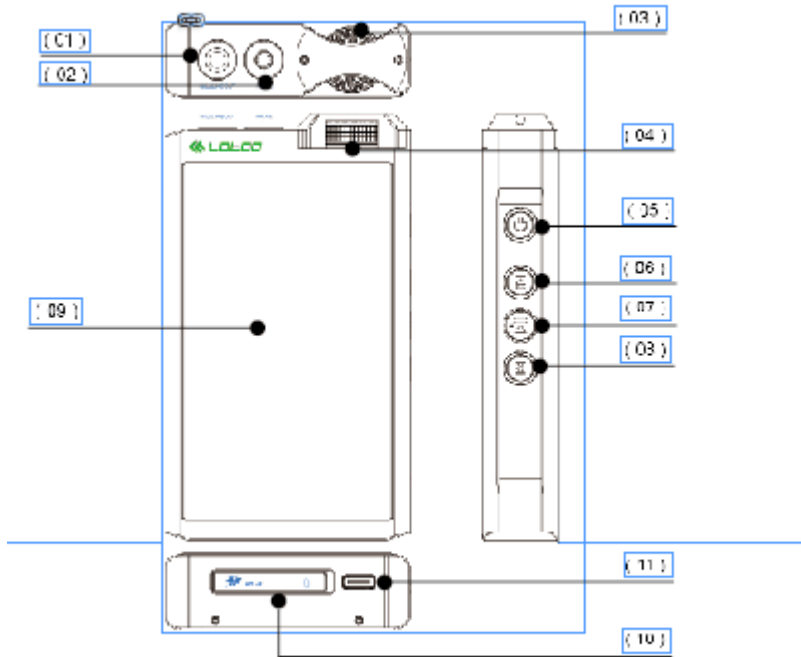
(01	4.4mm Line output/Headphone output
(02	3.5mm unbalanced Line output/ unbalanced headphone output
(03	Voulume knob
(04	Breathing LED
(05	Power/lock Screen
(06	Next/Fast forward
(07	Play/Stop
(08	Previous/Fast reverse
(09	Liquid crystal display
(10	SD card slot
(11	USB Type-C port

Package content

The package includes following accessories (The quantity for each accessory is one). Please carefully verify when purchasing. If anything absent, please contact with the device supplier timely.

Player
Screen protector
USB Type-C cable
User Manual
Warranty card
Leather case

Power

●Power on
When powered off, long press "Power/lock Screen" to turn on the device.
When powered on, short press "Power/lock Screen" to activate or turn off the screen.
Advice: when you play music long time, please turn off the screen to improve this player's endurance performance.

●Power off
1) The player is turned on and the screen is lighted, long press "Power/lock Screen" . And it will turn off.
2) The player is turned on and the screen is out, firstly press "Power/lock Screen" to activate the screen. Then long press "Power/lock Screen" , you can turn off the device.

Recharge

●This device will recharge automatically when connect to 5V power adapter.
●The lithium battery capacity of this machine is about 19.5Wh, and the normal charging time is about 4 hours
●Playing while charging : The externally connected power adapter can supply power to the device while charging the Lithium battery. Therefore, you can choose to play music when charging the Lithium battery, which has no influence on the charging performance.

Install the TF card

●Inserting the SD card
 Insert the TF card into the slot according to the shell logo direction, push to hear "beep" sound and release. Then the SD Card is installed.
●Pull off the SD card
Gently push the SD card bottom to hear "Di" sound, then slowly let go. You can see SD Card pops up about 3mm. then you can directly take the card.

Notes :
1)The device if self hasn't memory capacity.
2) Theoretically, the device can support TF card with 2T capacity maximum.

Using headphones/Volume adjustment

●The device has USB Type-C transport port. A 3.5mm /4.4 mm plug-in headphone is applicable to the device. Please insert the Headphones into the <PHONE> jack on the top.
●In case of pulling out headphones during play, the device will automatically pause playing.

As shown in above figure, rotate the volume knob to adjust the volume of headphones.

●In default settings: rotate clockwise the volume knob to increase the volume; rotate anticlockwise to reduce the volume.

●To protect your hearing, please make sure the volume is below 30 when using headphones to listen music.

Notes：

Since no built-in speakers available in this device, music can only be listened through headphones.

File Transmission

The device is equipped with USB 3.0 transmission port, which supports high-speed transmission.

1. Open MAC or PC, meanwhile turn on the device.

2. Connect the device to computer using the attached USB 3.0 cables.

3. The USB connecting modes are "Recharge" and "Storage". Then choose "Storage "mode.

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

5. After transmission, please click the icon in the taskbar, to disconnect the connection between the device and computer.

6. Pull off the USB cable.

Wireless connectivity

PAW Gold Touch supports wireless connectivity function: Bluetooth and WiFi.

●Bluetooth

PAW Gold Touch connects new Bluetooth devices (such as Bluetooth headphone and Bluetooth speaker box), it need to be paired with Bluetooth devices.

1) Click on "Bluetooth" on the Drop-down menus of home screen;

2) In Bluetooth settings, the device will search automatically and display some accessible Bluetooth devices ;

3) Click on and connect the corresponding device. The connected device will be displayed in the paired device bar.

●WiFi

PAW Gold Touch can support to connect WiFi hotshot. The detailed procedures are:

1) Click on "WiFi" on the Drop-down menus of home screen;

2) In WiFi settings, the device will search automatically and display some accessible WiFi connections;

3) Click on WiFi hotshot and enter right password, you will connect the corresponding device.

Notification & Status Bars on Home Screen

Notification & Status Bars on Home Screen display the current information:

1	Current numbers/Total
2	PMEQ
3	Gain
4	WiFi
5	Bluetooth
6	Output Type
7	Volume hold
8	Repeat Mode
9	Power display

Drop-Down Menus

Drop-down menus contains some fast operating switches:

1	WiFi
2	Bluetooth
3	Volume hold
4	Output Type
5	Repeat Mode
6	4.4mm Balanced Output Gain Settings
7	3.5mm Unbalanced Output Gain Settings

Play Music

PAW Gold Touch have Play list, Album list, Songs, Folders, Artist and Settings on home Screen.

●Play music
In the playing interface on the bottom of home screen, click on < > to play music.
●Pause
• In the play interface, click on < > during playing to pause music playing; in pause status, re-click on < > to continue playing.
●Previous & Next
• In the play interface, click on < > or < > under play or stop status to switch to previous or next music.
●Playing progress bar
Drag left or right in the progress bar area, you can quickly adjust the playback progress.

Switching Screen Information

In the playing interface, slide the page to left or right to switch screen information.

●Album cover
In the home screen interface, click on the current song to display the album cover.
●Songs
Slide the page to the left to display information on frequency spectrum: Songs name, Artist, Album, Format, Samplerate, Bits, Size and Location.
●Lyric
Slide the page to the left to display the lyric information.
●Frequency spectrum
Slide the page to the left to display the Frequency spectrum information.

File Browser

Click on the "Folders" on the home screen to enter File Browser, in order to visit and manage music files on the SD card.

●View music file
Click on folders list, slide the screen page in up or down to view music files.
●Return to previous menu
 Click on < > to return to the previous menu.
●Delete music files
Slide the song from right to left to display 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 "Play all".

●Add music or whole folder to playlist
Slide the music file or the whole folder from right to left, select "Add to Playlist"

Notes:
File browser can only display audio files which are identifiable, rather than other types of file.

Play List

The device has "My favourite、 Recent playlist、 All songs" editable play lists to display all music files.

●My favorite
You can add your favorite songs to "My favourite".
●Recent playlist
You can select files to add it to "Recent playlist".
●All songs
Display all songs in SD card in "All songs".
●Delete playlist
Slide the playlist from right to left to display the delete option. Click "Delete" to delete the playlist permanently.

●Songs sorting
Click on "Sorting" button on the top right corner of screen, you can sort songs by quality and name.

Notes:
All music files in the database are displayed in "ALL" .In case of updating files in SD card, please timely update database to ensure that the files in "ALL" comply with actual situation. Otherwise, it may cause play error.

Settings

Basic Setting			
Play setting	Play mode	List loop	
		Shuttle	
		Single repeat	
	Sleep timer	10-120mintus	
	Show lyrics	On/Off	
	XRC	On/Off	
	Fade out	On/Off	
Output setting	4.4mm Balance output	LR balance	L3.0dB - R3.0dB
		Output type	Line out
			Hp balance output
		Output gain	High gain
			Low gain

		Line out	Fixed
			Unfixed
	3.5mm Unbalanced output	LR balance	L3.0dB - R3.0dB
		Output type	Line out
			Non-line out
		Output gain	High gain
			Low gain
		Line out	Fixed
			Unfixed
	DSD USB output	Auto	
	DSD play output	Gain	-12/-6/0/+6/+12dB
	VU meter	Pre fader	
		Post fader	
Player setting	Breathe light	On/Off	
	Volume key	Clockwise	
		Anticlockwise	
	Power	Auto power-off	Off/ 1min / 5min / 10min / 15min / 30min
		Screen off	10s / 30s / 1min / 2min / 3min / 5min
	Language select	Chinese	

Sound			
Hardware decode	On		
	Auto		
EQ setting	Edit		
	Define		
ATE		Brighter	
		Sweet	
		Dental	
		Style 701	
		Style 990	
		Diffuse field(Near field)	
		Diffuse field(Far field)	
Filter	PCM	Short delay sharp rolloff	
		Sharp rolloff	
		Slow rolloff	
		Short delay slowrolloff	
		Super slow rolloff	
		Low dispersion short delay	
Fade out	DSD	Cut off low frequency	
		Cut off high frequency	

Wi-Fi			
WlAN			
Personal Hotshot			
Bluetooth			

Device	
SD card	
Total space	
Free space	
Total	
Formatting SD	
Information	
Device name	
Model	
Version	
Software versior	
Hardware versior	
Play time	
Legal	
Reset	

Notes :

When factory data reset, all settings included ATE will be back to the factory status.

Firmware Update

1. Maintain sufficient battery volume of the device.

• System upgrade is unfeasible if the battery volume is less than 20%. Please replenish the battery volume before

 upgrading.

2. Download "PAWGAPP.COE" firmware

• Log on the website www.lotoo.cn to access the download page.

• Download "PAWGAPP.COE" and save it in the computer.

3. Copy the firmware to the root directory of the SD card

• Connect the device to the computer via USB wire.

• Copy the downloaded firmware to the root directory of pop-up removable disk.

4. Upgrade firmware

• Enter Settings, click [SETUP> System Settings> Firmware Upgrade]. Wait for the completion of system upgrade.

 The following procedures are:

5. After correct upgrade, the device will be automatically turned off

• Re-start, and you can view the latest software version number.

Notes:

• We reserve the right to change the product function without any further notice.

- The firmware upgrade will not automatically delete files, but the improper operation may give rise to upgrade failure. In exceptional cases, you may be required to format the SD card; therefore, you are kindly requested to backup the important files in SD card before upgrading firmware.
- Be sure to carefully read this manual prior to operation; the firmware of the device is inapplicable to other products.

Troubleshooting

In case of the following failures, you can try to resolve them by yourself. If any problem fails to be solved, please contact the after-sales service department.

Failure to boot
- Low battery volume makes boot unavailable. Please charge the battery and retry.

No sound from headphones
- The volume knob is set to the minimum. Adjust the headphone volume.
- The headphones have been damaged or in poor contact. Please replace the headphones
- The level of music files is low.

Files in SD card fail to be identified by the device
- This device can only identify the playable music types; some music files are formats unsupported by the device, thus they cannot be identified.
- Music files have been damaged.

File name without extension
- Multiple music files without extensions may turn up after the parsing of certain cue files.

Playlist file plays error
- Update the database after updating the music files in SD card; otherwise, the removed files in the playlist may result in playing errors.

Prompting formatting after SD card inserted
- SD card format does not meet the requirements of play, formatting is required.

Usage Safety

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 a fire, or heat the device; otherwise, it may give rise to battery explosion.

• Stop using the battery immediately if high temperature and heat

Spec

General Spec.

Formats	DSD 64/128/256 DFF / DSF / ISO
	WAV / MP3 / FLAC / APE / OGG / M4A / AAC / ALAC / CUE
Display	3.77 inch touchscreen
Processor	ADI Blackfin BF7xx DSP Subsystem
DAC chip	AK4137EQ Pro SRC chip
Headphone chip	OPA1622
USB	USB3.1 Type-C
Storage	UHS-II SD card (Up to 2TB)
Battery	5400mah Li-Polymer
Wireless transport	Bluetooth 4.1 Stereo audio
Size	119*68.6*21mm (Bulge parts not included)
Weight	275g
Firmware Update	Support

Balanced Headphone Output（4.4mm）

Freq Response	+0.008/-0.34 dB (20~20kHz)
THD+N	0.00015% @1kHz(20~20kHz, A-weight, No load)
SNR	127dB (20~20kHz,A-weight)
Output Level	+14.4dBu(High Gain) -10.0dBu(Low Gain)
Channel Isolation	-126dB
Dynamic Range	127dB@1kHz (20~20kHz,A-weight)

Unbalanced Headphone Output（3.5mm）

Freq Response	+0.006/-0.38dB (20~20kHz)
THD+N	0.00045% @1kHz(20~20kHz, A-weight, No load)
SNR	123dB (20~20kHz,A-weight)
Output Level	+16dBu(High Gain) -9.0dBu(Low Gain)
Dynamic Range	123dB@1kHz (20~20kHz,A-weight)

Balanced Line Output（4.4mm）

Freq Response	+0.008/-0.34 dB (20~20kHz)
THD+N	0.00015% @1kHz(20~20kHz, A-weight, No load)
SNR	127dB (20~20kHz,A-weight)
Output Level	+14.4dBu(High Gain)
Channel Isolation	-126dB
Dynamic Range	127dB@1kHz (20~20kHz,A-weight)