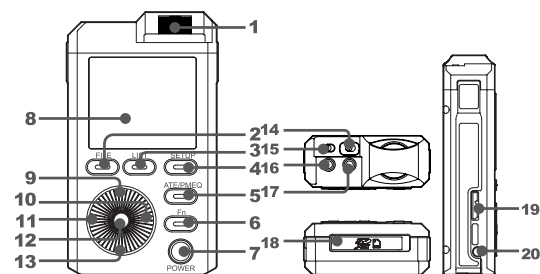# Learn about this Device

Introduction to Each Part

1. Volume knob: turn the knob to adjust the volume (directions user-definable)

2. <FILE> Click to enter File Management function

3. <LIST> Click to enter Playlist function

4. <SETUP> Click to enter Settings function

5. <ATE/PMEQ> Click to enter ATE and PMEQ Settings functions

6. <Fn> User-defined function: functions may be user-defined in the menu

7. <POWER> Turn on or off

8. Liquid Crystal Display (LCD)

9. < ▶❚❚ > Play/Pause/Up

10. < ▶▶❚ > Next/Fast Forward/Right

11. < ❚◀◀ > Previous/Fast Reverse/Left

12. <OK> button OK/(Switch screen information or Play/Pause, to be user-defined)

13.< ■ > Stop/Down

14. <HOLD> Lock keyboard

15. <GAIN> Headphone output gain

16. 3.5mm plug-headphone interface

17. LINE OUT port

18. SD card slot: support SD/SDHC/SDXC

19. USB 3.0 port

20. Power port: to charge lithium battery or energize this device via power adapter

Specification

General Specification

Material	Aircraft-use aluminum alloy
Display	1.8-inch color OLED 160 * 128
Communication Interface	USB 3.0
Output Interface	Headphone jack (3.5mm) Line output (3.5mm)
Size	60 x 104 x 25.4 mm (W x H x D)
Weight	280g
Battery	22Wh lithium-polymer battery
Memory Card	SDHC/SDXC (Max. 2TB)
Clock Jitter	5ps (Typ)
Firmware Upgrade	Support

Play

Play Format	DSD64(2.8M,1BIT) / DSD128(5.6M,1BIT) File Format: DFF / DSF / ISO FLAC / APE / WAV / AAC / ALAC / MP3 / WMA / M4A / WavePack
Play Duration	About 12 hours
Sampling Rate	PCM 8kHz-192kHz / DSD 2.8MHz
Output Level	+15 dBu (headphone output, no load, high gain) 0 dBu (headphone output, no load, low gain) + 9 dBu (line output, no load)
DAC Chip	TI PCM1792
Amp Chip	TI LME49600
Processor	ADI Blackfin 514 DSP

Headphone Output

Frequency Response	±0.06dB (20~20kHz) ±1dB (5~50kHz)
Total Harmonic Distortion + Noise(THD+N)	0.00058%@1kHz (20-20kHz, A-weighted, no load)
Dynamic Range	121dB@1kHz (20~20kHz, A-weighted)
Signal to Noise Ratio (SRN)	120dB (20 ~ 20kHz, A-weighted)
Channel Isolation	-119dB

Line Output

Frequency Response	±0.06dB (20~20kHz) ±1dB (5~50kHz)
Total Harmonic Distortion + Noise(THD+N)	0.00036%@1kHz (20-20kHz, A-weighted, no load)
Dynamic Range	121dB @ 1kHz (20-20kHz, A-weighted)
Signal to Noise Ratio (SRN)	120dB (20~20kHz, A-weighted)
Channel Isolation	-119dB

Quick Start Guide

Power Supply

1 Turn on the device

When the device off, long press <POWER> button to turn on.

• This device has a very fast power on speed.

2 Turn off the device
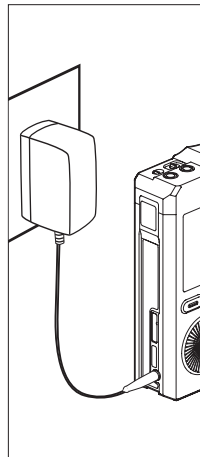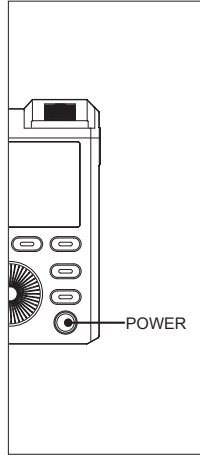
When the device on, long press <POWER> to turn off.

3 Charging

Connect this device to 110/220V power supply via power adapter, and automatic charging begins.

• This device is equipped with ultra-large capacity (22Wh) lithium battery. Charging time is about 5 hours (from full discharge to off).

• For this device, the lithium battery cannot be charged via USB 3.0 interface.

• Playing while charging: this device is externally connected to power adapter to supply powers to supply circuit and charging circuit at the same time. Therefore, you may play the music while charging, having no influence on the charging performance of lithium battery.

POWER

Play Music

1 Play Music

Press < ▶II > , play music.

2 Pause

Press < ▶II > during playing, pause playing music; press < ▶II > again, continue playing.

3 Stop

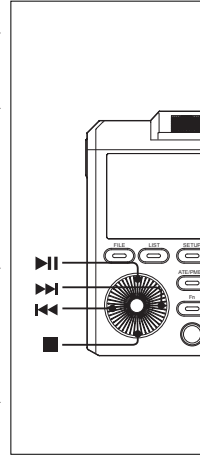Press < ■ > during playing, stop playing.

4 Previous & Next

Under play or stop status, short press < I◄◄ > or < ►►I > to switch to the previous or next music.

5 Fast Reverse & Fast Forward

Under play or stop status, long press < I◄◄ > or < ►►I > for fast reverse or fast forward.

▶II
►►I
I◄◄
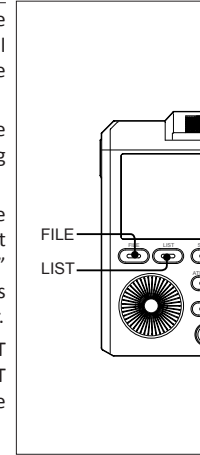■

FILE LIST SETUP

ATE/PMEQ

En

File Browser/Playlist
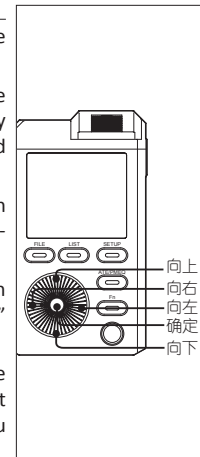
1 Use of File Browser

Press <FILE> to enter File Browser, and this device will automatically locate the file currently selected.

• Play music: press <OK> on the music file selected, to start playing music.

• Play whole directory: select the file folder and press <RIGHT> to pop out the menu. Select "Play the folder" to play the files in root directories and sub-directories of the file folder.

• Add to playlist: select "Add to LIST 1", "Add to LIST 2" or "Add to LIST 3" to add files or file folders to the playlist.

FILE
LIST

2 Use of playlist

• Play list: it displays all files that are playing. This playlist is non-editable.

• LIST1/LIST2/LIST3: these are the three editable playlists. You may select files in File Browser to add them to the three playlists.

• ALL: it displays all music files in the database. This playlist is non-editable.

• Empty playlist: press <RIGHT> on LIST1/LIST2/ LIST3 and select "Clear" in the menu popped up.

• File removal/sorting: select the file, press <RIGHT> and select "Remove" or "Sort" in the menu popped up.

FILE LIST SETUP

CHARGING

En

向上
向右
向左
确定
向下

ATE/PMEQ

1 ATE

• ATE (Acoustic Timbre Embellisher), which is originally used for master processing in the recording studio, is now transplanted into this device together with DSP hardware platform. The flexible and powerful timbre processing functions may be constantly updated in subsequent firmware.

ATE/PMEQ

2 PMEQ

• Multiple classic EQ presets: this device has multiple classic EQ presets. Please choose and enjoy different styles of music as you like.

• 3 user-defined PMEQ: this device also has three user-defined EQ, i.e. USER1/USER2/USER3. Detailed adjustments can provide you with more diversified choices.