

iBasso Audio



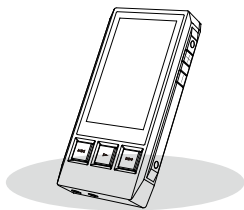
OXE

User Guide

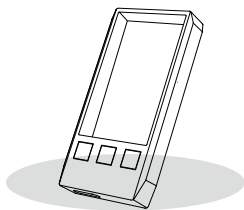
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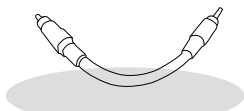
Package components



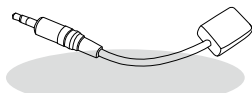
DX80



Silicone case



Coaxial cable



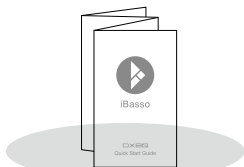
Burn-in Cable



Micro USB cable



Screen protector



Quick start guide



Warranty card

Micro USB cable:

Connect the Micro USB cable to a computer for Charging, data transfer, and USB-DAC function.

Coaxial cable:

Connect the coaxial cable to an external DAC, to allow the DX80 to work as a digital transport.

Burn-in cable:

Plug the burn-in cable into the Phone out socket, and keep playing music to burn-in the DX80. The burn-in process helps the DX80's sound reach its full potential by forming the capacitors and stabilizing the electronic components used.

Silicone case:

Use the silicone case to protect the DX80's chassis from scratches.

Screen protector:

Use the screen protector to protect the DX80's screen from scratches.

Warranty card:

The warranty card will be requested at the time of warranty repair. Please retain the warranty card.

Quick start guide:

This reviews the basic functions of the DX80.

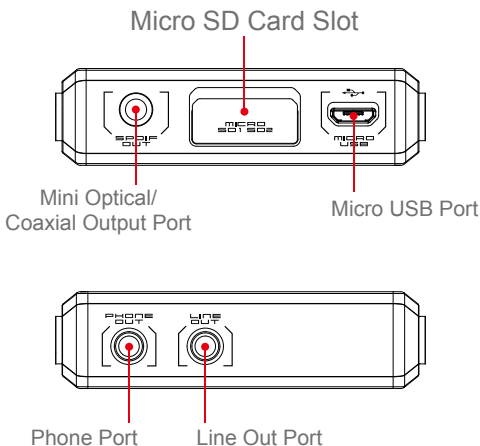
Main Features:

- Bit for Bit Playback, Support up to 24 bit/192kHz.
- Support Native DSD up to 128x.
- Dual CIRRUS CS4398 DAC Chips.
- XMOS USB Receiver with Thesycon USB Audio Driver, Easy to use USB DAC.
- Dual Si Time MEMS Oscillators.
- Built-in 10V Voltage Swing Headphone AMP, Up to 260mW Output Power.
- 3.2" IPS Screen (480*800) with Capacitive Touch Panel, Bonded by OCA.
- Up to 24Bit/192kHz Mini Optical Output /Mini Coaxial Output.
- 3.5mm Headphone Output, and Line Out.
- Three Physical Buttons (Previous, Play/ Pauses, Next) on The Top Panel.
- 150-Steps Digital Volume Control.
- eMMC Onboard Memory to Increase the System Stability.
- Dual Micro SD card Slots,Support SDXC and SDHC Micro SD Card, up to 2TB. (as They Become Available).
- Audio Formats Supported: APE, FLAC, WAV, WMA, AAC, ALAC, AIFF, OGG, MP3, DFF, DSF, DXD.
- Support for M3U Playlist.
- 3600mAh 3.8V Li-Polymer Battery Providing up to 13 Hours Play Time.

Specifications:

- Line out:
Output Level: 1.6Vrms (1kHz0dB)
Frequency Response: 17Hz ~20KHz +/-0.1dB
S/N: -116dB +/-1dB
THD+N: 0.001% Crosstalk:107dB (1KHz)
- Headphone out:
Output Level: 2.9Vrms (32 ohm Load)
Frequency Response:17Hz~20KHz+/-0.1dB
S/N: -114dB +/-1dB (32ohm Load)
THD+N: 0.002%(32ohm load)
Crosstalk: 70dB(1KHz 32ohm Load)
- Output Impedance: <0.1ohm
- Play Time: 13 hours
- Battery Charge Time:3 hours with 5V 2A AC adapter, 8Hours with PC USB port.
- Audio Formats Supported: APE,FLAC,WAV, WMA, AAC, ALAC, AIFF, OGG, MP3, DFF, DSF,DXD.
- Case Dimension: 4.72L*2.49W*0.66H(inch)
120L*63.2W*16.8H (mm)
- Weight: 178g or 6.28oz

Names of Parts & Functions:



Mini Optical/Coaxial Output Port:

Use a mini optical cable or the furnished coaxial cable to play music stored in the DX80 on an external device with a coaxial input port or an optical input port.

Mini optical/coaxial output has the highest output priority which would close the phone out or line out when optical/coaxial cable plugged in.

Micro USB Port:

Connect the DX80 to a computer or a USB charger to charge the DX80.

Connect the DX80 to a computer to allow the DX80 to work as a card reader.

Connect the DX80 to an OTG storage device to play music files.

Connect the DX80 to a PC or a Mac computer to work as a USB DAC

Micro SD Card Slot:

Insert a Micro SD card into the DX80 to access its stored files. The following screen pops up after Micro SDcard inserted.

Scan SD Card: Press “ YES ” to fully scan the Micro SD card. The first media scanning will take more time as the DX80 is building the library for this card. The DX80 will create folders called “.audio_data” and “.album_img” in the Micro SD card after that.

The speed of the media scanning the next time this card is inserted is much faster as the library is already built and stored on this card.

Browse files:

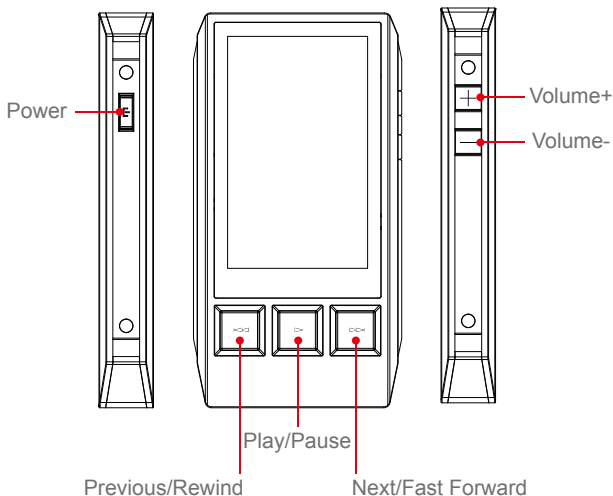
Press “ NO ” to skip media scanning, and browse the Micro SD card in folder structure.

Phone Port:

Plug in the earphone and output sound through the phone jack.

Line Out Port:

Use a 3.5 to 3.5 interconnect cable to play music stored in the DX80 on an external amplifier with a line in port.



Power:

Short Press - Power the LCD screen on and off,

Long Press - Power the DX80 on and off.

Volume+:

Short-press to increase one step of the volume,

Long-press to continuously increase until its maximum.

Volume-:

Short-press to decrease one step of the volume

Long-press to continuously decrease until its minimum.

Previous/Rewind:

Short Press - Replay previous track.

Long Press - Rewind.

Play/Pause:

Short Press - Play/Pause.

Next/Fast Forward:

Short Press - Play the next track.

Long Press - Fast forward.

Basic Operation:

Power on/off:

1. Press and hold the power button to power on.
2. After the DX80 is powered on, a long press of the Power button to power off.

Power on/off the screen:

Single press the power button to power on / off the screen after the DX80 was powered on.

Reset:

When the DX80 stop unexpectedly during operation and the keys are no longer responsive, press and hold the power button for 10 seconds to reset the DX80.

Charging:

The DX80 can be charged by computer through the USB port or any USB charger with 5V output voltage and 1 A or above output current.

A full charge takes about 3 hours with 5V 2A USB AC adapter or 8 hours with computer's USB port , when the DX80 is powered off.

Charging while the DX80 is powered on will extend the charge time and the battery may not fully charge.

Connecting to a computer to work as a USB DAC:

The DX80 can work as a USB DAC for Windows PC, Mac computer, and Linux computer.

It is driver free on Mac computer, and Linux computer. For Windows PC, one can download the driver from iBasso.com and install it following the steps, before using the USB DAC function. The DX80 supports up to 24bit / 192kHz PCM, and native DSD up to 128x when be used as a USB-DAC.

The following is the instruction :

1. Power on the DX80.
2. Select DAC on Settings/USB Settings.
3. Connect the DX80 to a computer via the furnished USB Cable.
4. The “USB DAC” screen will be shown on the DX80.
5. Select “iBasso DX80 Hifi device” or “xCore USB Audio 2.0 Output” as the audio output device. Then one can play music on the computer and listen it via the DX80.

Disconnecting from a computer:

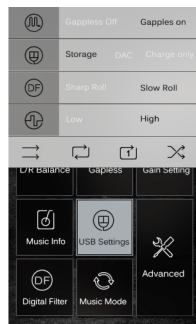
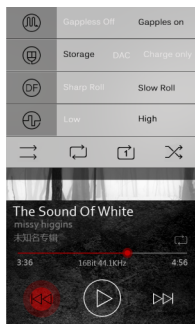
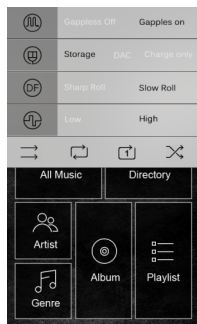
Make sure to safely remove the drive(s) from the computer before disconnecting the USB connection to the DX80. Click the icon displayed in the task bar or desktop of the computer to safely disconnect the DX80.

User Interface:

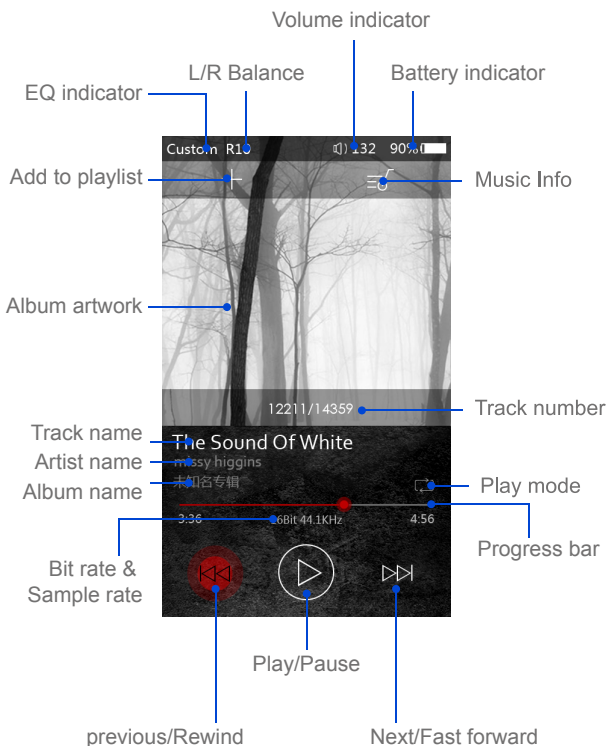
The DX80 User interface is composed of four parts:

Music playback screen (homepage), my music, settings, and drop down setting menu.

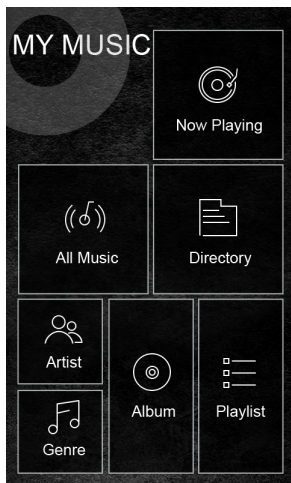
On the homepage, one can swipe the screen to right for My Music, or swipe the screen to left for Settings. No matter on any sub-menu of My Music, one can swipe to left to go back to homepage. When on the Settings, swipe to right to go back to homepage. Swipe down the screen to display the drop down screen, which includes all of the frequently used options.



Music Playback Screen:

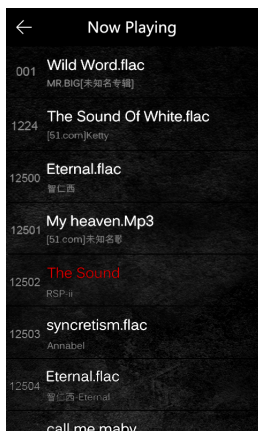


My Music:



Now Playing:

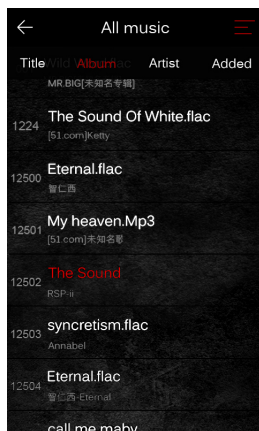
Is a list of the currently playing tracks.



Return Button:

Press the Return button on the top left of the My Music or Settings screen will move back one page at a time until the home page is once again displayed.

All Music:

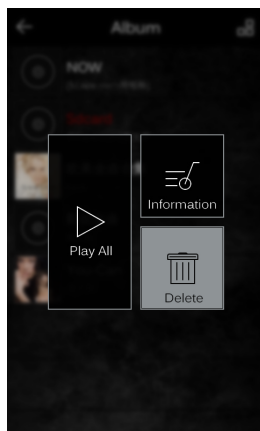
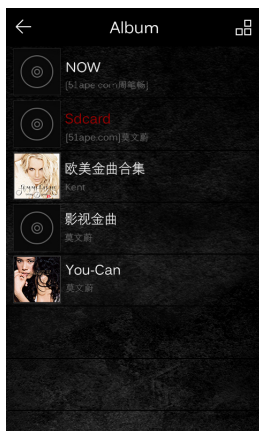


Sorting Option :

Press the icon on the top right to unfold the options. One can choose to sort the songs by track title, album name, artist name, and added time.

Album:

press the icon on the top right to switch to album artwork view.

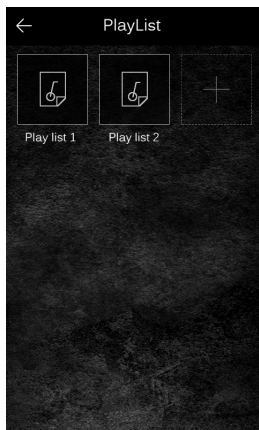


All Music/Album/Artist/Genre:

Long press a row to pop up the option screen of play music, add to playlist, music infor, and delete options.

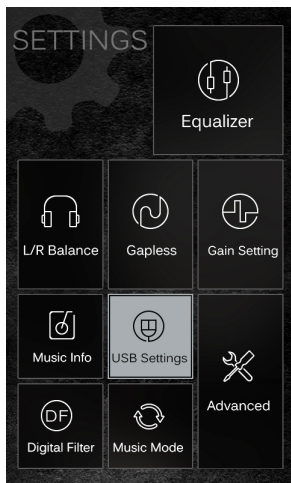
Playlist:

Click the “+” button to create a new playlist.



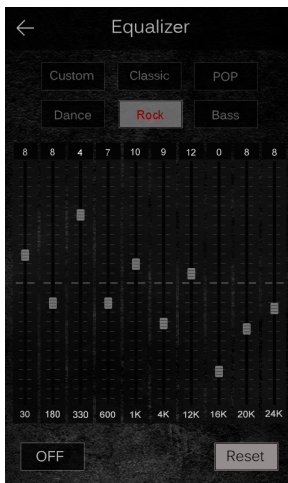
The DX80 supports M3U playlist. Please see page 29-30 regarding to how to import and export the playlist.

Settings:



Equalizer:

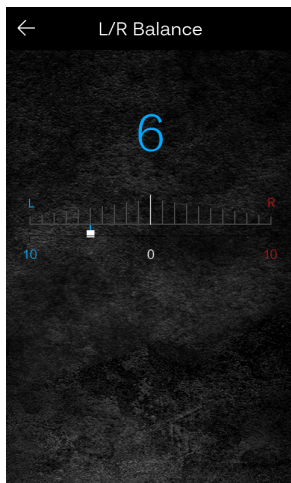
One can set the equalizer as desired. Press the “reset” to reset a pre-set EQ.



L/R Balance:

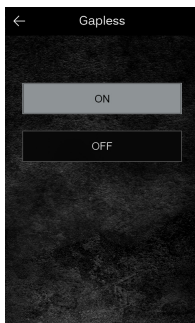
Slide to R to decrease the volume in the right Channel.

Slide to L to decrease the volume in the Left Channel.



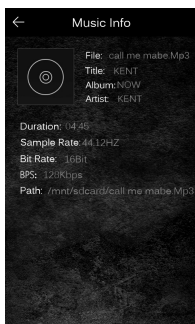
Gapless:

One can enable the gapless to eliminate the gap between two tracks.



Music Info:

It shows the detailed information of the currently playing song.



USB Settings:

There are three options:

Card Reader, DAC, and Charge Only.

(1). Card Reader.

Allows the DX80 to be used as a card reader.

(2). DAC.

Allows the DX80 to be used as a USB-DAC.

Please see page8 "Connecting to a computer for USB DAC function ", regarding to how to use the DX80 as a USB DAC.

(3). Charge Only.

With this option, the computer would charge the DX80 when the DX80 is connected.

Digital Filters:

There are two options:

Sharp Roll-off , and Slow Roll-off.

(1). Sharp Roll-off.

With the Sharp Roll-off , one can see the frequency curve drops significantly . The Sound is less aggressive.

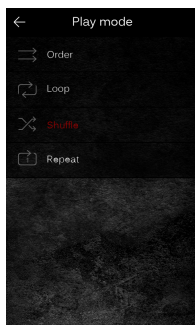
(2). Slow Roll-off.

With the Slow Roll-off , one can see the frequency curve drops smoothly.

The sound is more open , the extension of low and high is better.

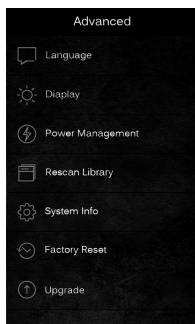
Play Mode:

There are four options: Order, Loop, Shuffle, and Single Repeat.



Advanced:

To access to more system settings:



(1). Languages :

The DX80 supports multiple languages, such as simplified Chinese , traditional Chinese, English , Japanese , Korean , Thai , French , German, Spanish, Dutch, Czech, and Italian.

(2). Display :

Adjust the screen brightness, and change the wallpaper.

(3). Power Management :**Backlight Off:**

Set the amount of time to turn off the screen when there is not touch operation or button operation.

Auto Power Off:

Set the amount of time to power off the DX80 when it stays idle.

Sleep Timer :

Set the amount of time to power off the DX80, no matter if it is working or idle. The sleep timer would turn off after reboot.

(4). Rescan Library.

This function is used to fully rescan the Micro SD cards. The Library would be re-built after that. This function helps when a scan problem rose.

(5). System Info:

It shows the firmware version, external memory's available capacity.

(6). Factory Reset:

Delete all user data and restore the device to its original factory settings.

Firmware Update

1. Download the newest firmware from iBasso .com.
2. Extract the zip file, and copy the update.img into a micro SD card root folder.
3. Insert the micro SD card to SD card slot2.
4. Select Settings → Advanced → System update (the system update option appears only after the update.img is detected).
5. Click “OK” to start the firmware update.
6. The DX80 will reboot after firmware update completed.
7. Select Settings→Advanced→Factory Reset to reset the DX80. This is to avoid conflicts with residual settings from the previous firmware
8. Delete the update.img.

FAQ:

1. My computer does not recognize the DX80.
The DX80 has to be turned on before connected to computer.

2. Where can I find the firmware version on my DX80?
Settings→Advanced→System Info.

3. All album artworks are not showing on my DX80.
Use the Rescan Library function under Settings /Advanced.

4. Can my cell phone/mobile phone`s charger charge the DX80?
Yes. The DX80 can be charged with USB charger that has 5V output voltage and 1A or above current output.

5. How can I play all songs from a specific artist or genre?
Under the Artist category or Genre category, long press a row to display the options, press “play” to play all songs from this artist or genre.

6. How can I change the wallpaper?
First of all , save your picture as a 480 * 800 pixels wallpaper.png file.

Then copy and paste it into a Micro SD card's root folder. Insert the Micro SD card into the DX80's card slot. Go to Settings/Display, you will find your wallpaper there.

7. How can I see the entire title of the currently playing song on the music playback screen?

You can scroll the title right to left to reveal the missing parts. The album name and the artist name are also scrollable when they are too long to be shown on the screen.


8. Does the DX80 support exFAT format SDXC?

Yes, the DX80 supports both of exFAT and FAT32 formats SDXC.

9. My DX80 cannot be powered on. What should I check?

Usually, it is low battery issue. Charge it for a while, then you should be able to power on the DX80. Email us if it is not a low battery issue.

10. How to use the import / export playlist function?

After the playlist is built in the DX80, go to My Music  Playlist, long press the playlist icon to pop up the option menu. Press "Export", then one can find a M3U playlist under the M3U folder under the Micro SD card.

To import a M3U playlist, load the M3U playlist

into the internal flash or a Micro SD card. Then find the M3U playlist under Directory. Press the M3U playlist. There will be a pop up windows. Press “YES” to start importing the playlist.

Certifications:



