TOPPING M50 Digital Network Player File Reader User Guide

Contents

TOPPING M50 Digital Network Player File Reader

Thank you for purchasing Lossless music player M50! M50 is a lossless music player that supports a wide range of music formats. It can access SD card / U disk / hard disk, can be connected wirelessly via Bluetooth, Airplay, DNA, and can also be connected to a computer as a USB bridge. We hope it could bring you more fun at enjoying music. Now we recommend you read this manual so that you can use all the features of M50 correctly.

Contents list

- M50 × 1
- Remote control × 1
- USB cable × 1
- DC cable × 1
- Bluetooth antenna × 1
- User manual × 1
- Warranty card × 1

Note: You can download the drivers and user manual on **http://www.topping.audio/**.

Attribute

Measured		11 .9cm x 11cmx3.8cm
Weight		440g
Power input		DC5V/1A (DCbase 5 5*2.1)
Signalinput		USB-OTG• 2, USB OAC- TF cardslot, Bluetooth, WiFi
Signaloutput		Bluetooth, USB-OTG. Optical. Coaxial. IIS
Standby power consumption		<0.5W
Power consumption		<1.SW
TF card capacity		up lo 256 GB
USB	Hard disk driver	up lo 4 TB
	Filesystem	Suppor t FAT/FAT32/NTFS
Bluetooth	Input preference	LDAC >AAC> SBC
	Outpt : preference order	LDAC > APTX > AAC > SBC

Front panel
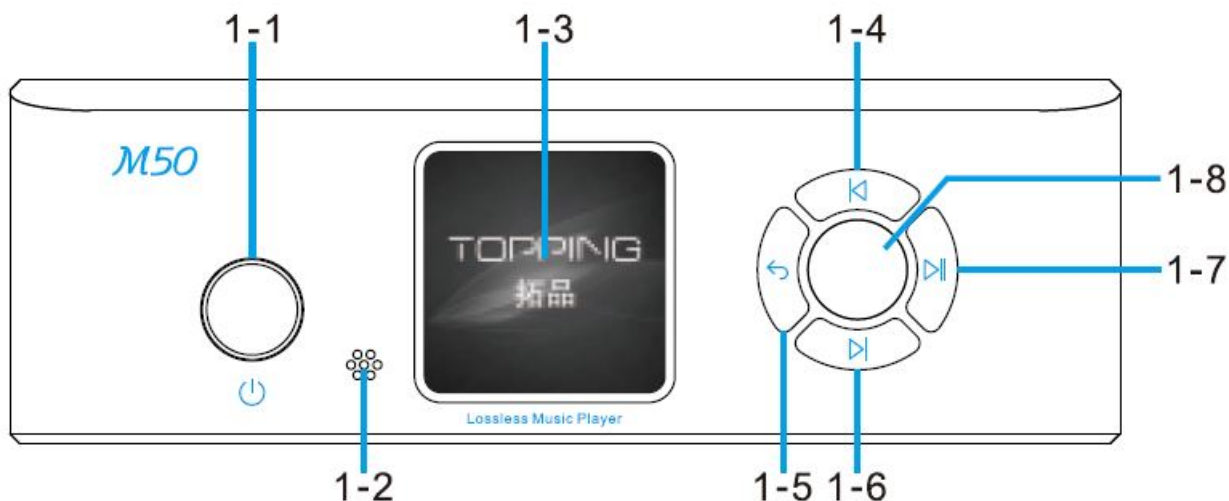
1. Power button

   Press and hold to power on/off. In the on state, a short press turns the screen off.

   You can press any button on the front panel to light up the screen.

2. Remote control receiver

   Please point the top of the remote control at it when using the remote control

3. Display

4. Previous*

   - In playback interface, short press to play previous track, press and hold to rewind
   - In other interfaces, short press to move to previous item, press and hold to move quickly.

5. Back

   Short press to move to the previous menu, press and hold to go back to the main menu.

6. Next*

   - In playback interface, short press to play next track, press and hold to fast forward
   - In other interfaces, short press to move to next item, press and hold to move quickly.

7. OK/Play/Pause*

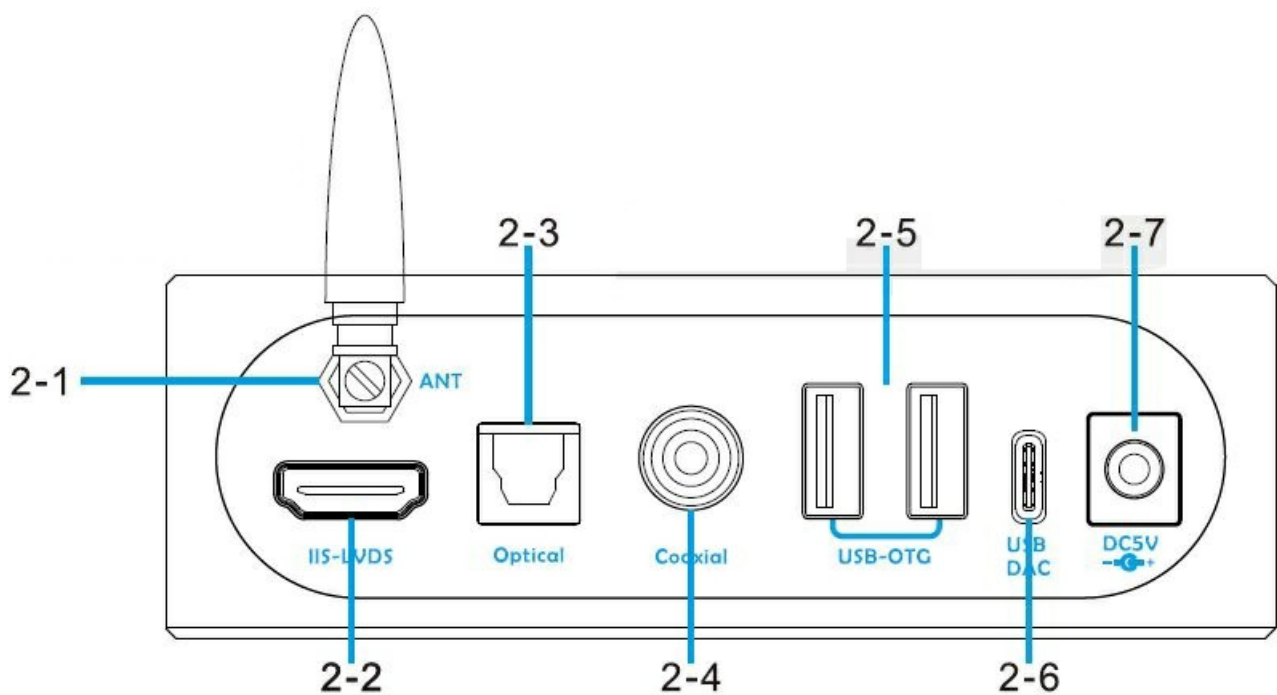   In playback interface, short press to play/pause

   - In other interfaces, short press to make a selection

8. Playback menu*

   Press to enter the playback menu when in playback interface

   *Depending on the input, some buttons may be disabled under the playing interface.

Rear panel

1. Bluetooth input/output
2. IIS output
3. Optical SPDIF output
4. Coaxial SPDIF output
5. USB-OTG port
   - Can connect a USB storage device or HDD (hard disk driver) to play music files.
   - Can output to the USB DAC. Note that only one USB DAC can be connected at the same time.
6. USB DAC port
   - In DAC mode, the M50 can be connected to a computer and used as a USB Bridge.
   - In USB mode, you can access the TF card inserted in the M50 on your computer.
     Set it here: [Main Interface – System Settings – USB Mode]
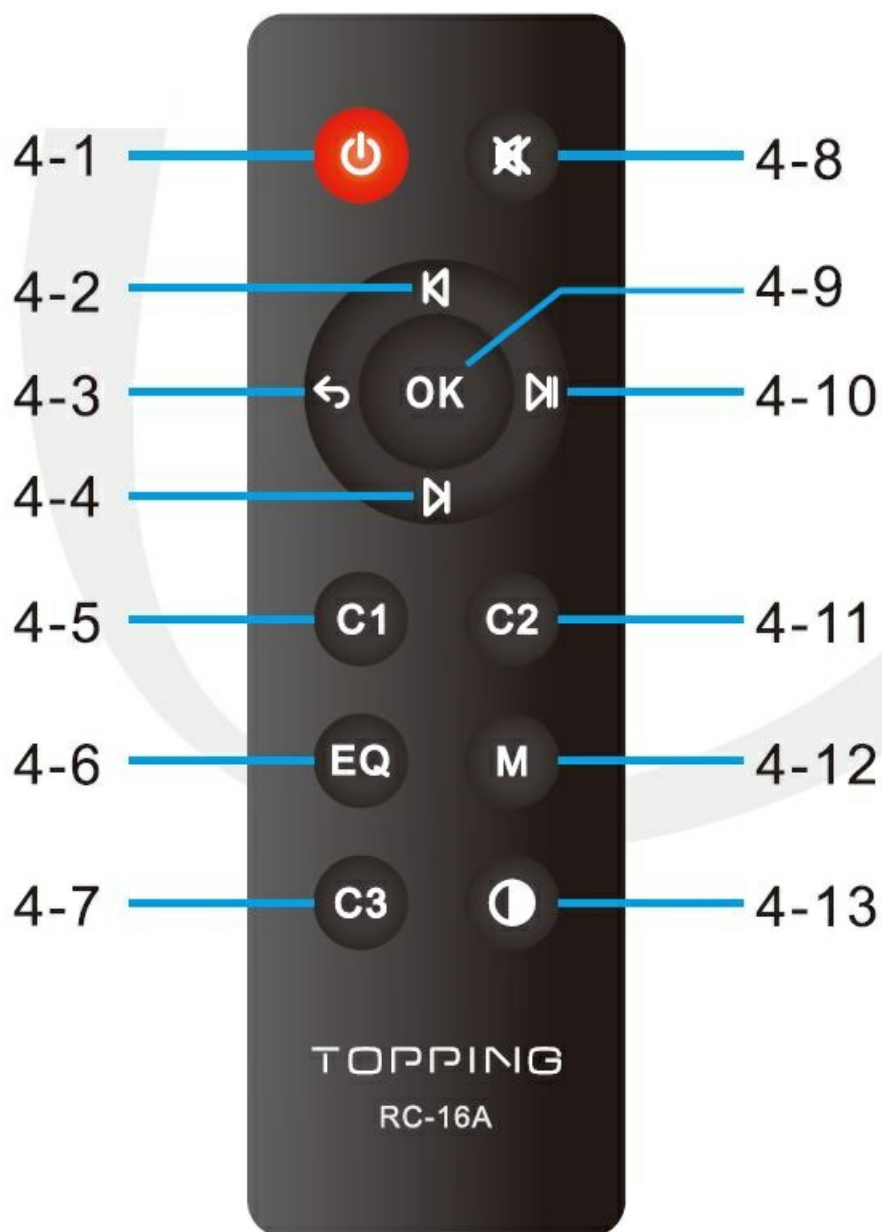7. Power input (DC5V)

Side panel
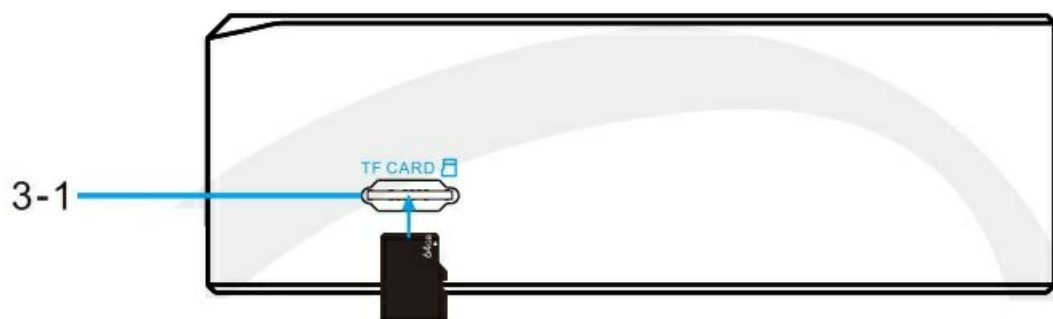
TF card slot

- This slot is only for the standard TF card(Micro SD) and support a capacity up to 256GB.
- Insert: insert a TF card until is clicks into place. Make sure to insert the TF card in the correct direction.
- Remove: push the TF card into the TF card slot. The TF card will pop out.

Remote control

1. Standby
2. Previous*
3. Back
4. Next*
5. Invalid button
6. Equalizer setup
7. Invalid button
8. Invalid button
9. OK
10. Play/Pause
11. Invalid button
12. Playback menu*
13. Brightness

Depending on the input, some buttons may be disabled under the playing interface.

Support range

Supported Audio Formats	APE	Fast	8kHz-384 kH z/ 16 b i t-24 bi t (CUE supported)
		Normal	8kHz-384 kH z/16b i t-24bit (CUE supported)
		High	8kHz-384kHz/16bit-24bit
		Extra high	8kHz-96kHz/16bit-24bit
	WAV		6kHz-384kHz/16bit-32bit(CUEsupport,ed□TSnot supported)
	FLAG		8kHz-384 kHz/16b i t-24bit (CUE supported)
	AIFF		8kHz -38 4kHz / 16b it-32bil
	M4A		8kH z-384 kHz/ 16b it- 24bi t
	WMA		8kHz -96kHz / 16bi t-24bit
	WMALossless		8kHz -96kHz / 16bi t-24bit
	Mp2		8kHz- 48kH z/16bi t
	Mp3		8kHz- 48kH z/16bit (CUE suppo rted)
	AAC		8kHz-48k Hz/ 16bit
	OGG		8kHz- 48kH zl 16bit
	DSF		DSD64-DSD256
	DFF		DSD64·DSD256
	*Above all 64k filesdo not support		

|	
USBDAC IN	PCM 44.1kHz-384kHz/16bit-32bit
	□so OS064-0SD256 (Native) , DSD64·DS0126 (Dop)
USB-OTGOUT	PCM 44 .1kHz – 384kHz /16b it- 32 bit
	DSD OSD64-DSD256 (Native) . DSD64-DSD256 (Dop)
BTIN	S BC/AAC/LDAC
BT OUT	SBC/AAC/APTX/LDAC
OPT /COAXOUT	PCM 44 .1kHz-192kHz/16b it-24b it
	DSD DS D64 (Dop)
IIS OUT	PCM 44.1kHz-384kHz/16bit-32bit
	DSD DSD64-DSD256 (NaHve)

Playback

Bluetooth
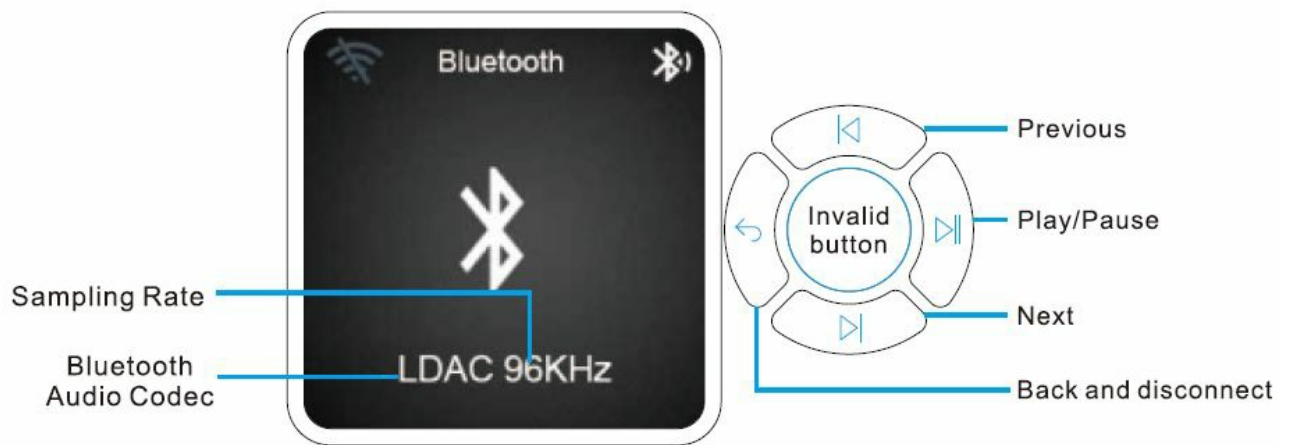
- In [Main Interface – NET settings – Bluetooth setting], turn on and connect the Bluetooth
- **Note** the Hiby link function in [Bluetooth setting] needs to be turned off first, because using Hiby link function needs to occupy Bluetooth.
- The picture above shows the playback interface when the M50 is used as a Bluetooth receiver. the M50 can also be used as a Bluetooth transmitter to connect to a Bluetooth DAC or Bluetooth headphone.

USB Storage Device/HDD/TF card

- Plug your USB storage device/HDD into the USB-OTG port or insert the TF card into the TF card slot. Folders and music files are displayed on [Main Interface – Music Browser] when loading is complete. Then you could select songs to play.
- Playback menu
- You can add this song to My Favorite/Playlist, or delete it, and you can also set the Playback Mode.
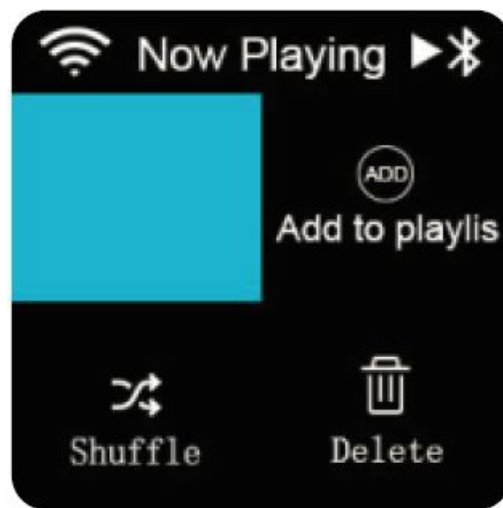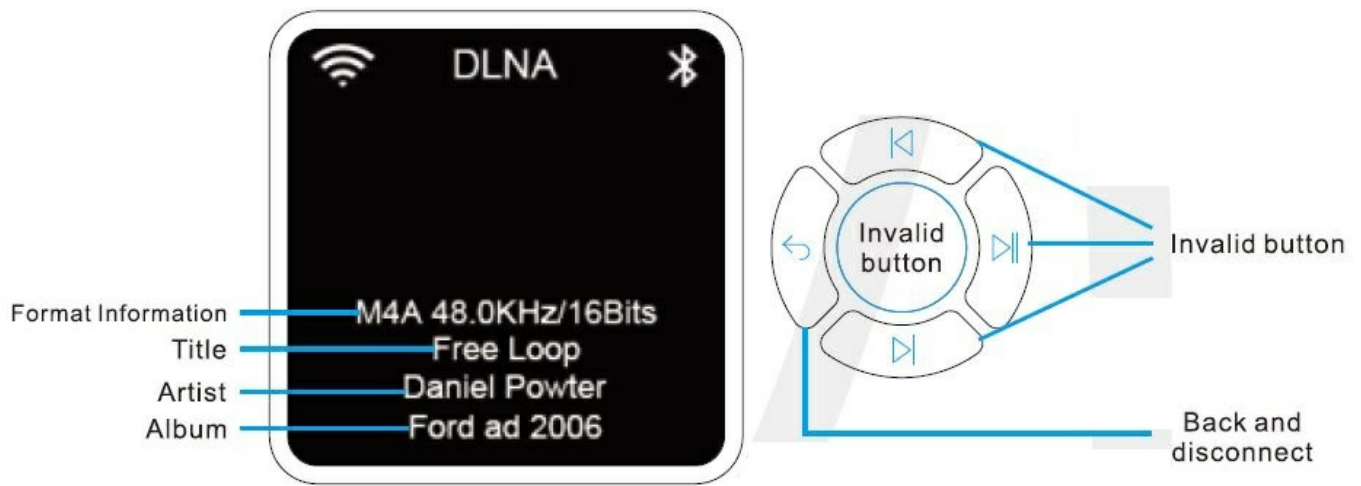
Playback Mode

- List loop
- Order
- Single cycle
- Shuffle

Connect to PC and use as USB Bridge
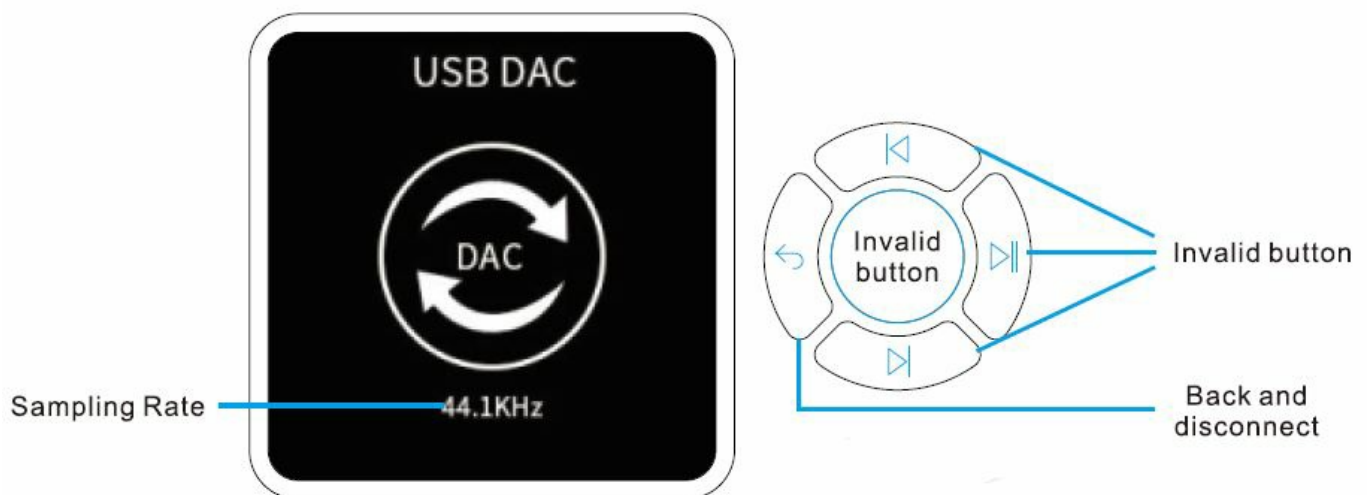
- In [Main Interface – System Settings – USB Mode], set the USB mode of the M50 to "DAC" and connect to the computer via the USB DAC port.
- Only able to control previous/next/play/pause on the computer.

Airplay/DLNA

1. In [Main Interface – NET Settings – WiFi Setting], turn WiFi on and connect.
2. Turn on the Airplay or DNA function in [WiFi Setting] according to your usage needs.
3. Connect the Mobile Phone/Tablet to the same network as M50.
4. Tap the AirPlay icon on the iOS device, and select M50 from the displayed devices. For Android devices, open the app that supports DNA playback and select M50 as the receiving device.
5. Play the music file on the Mobile Phone/Tablet.

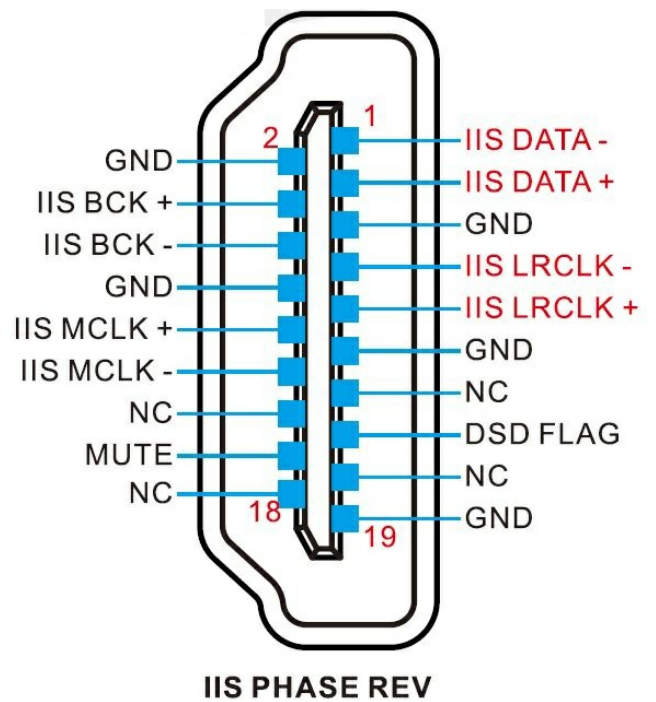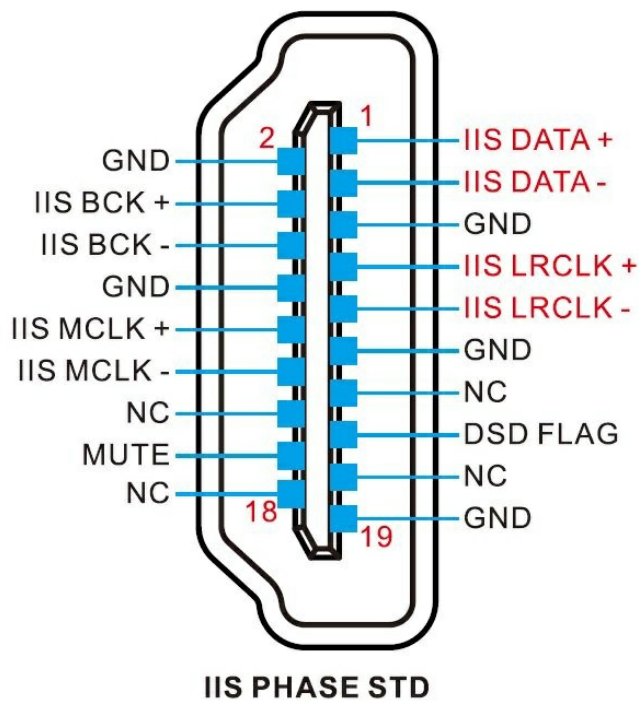**Note:** Only able to control previous/next/play/pause on mobile phone.
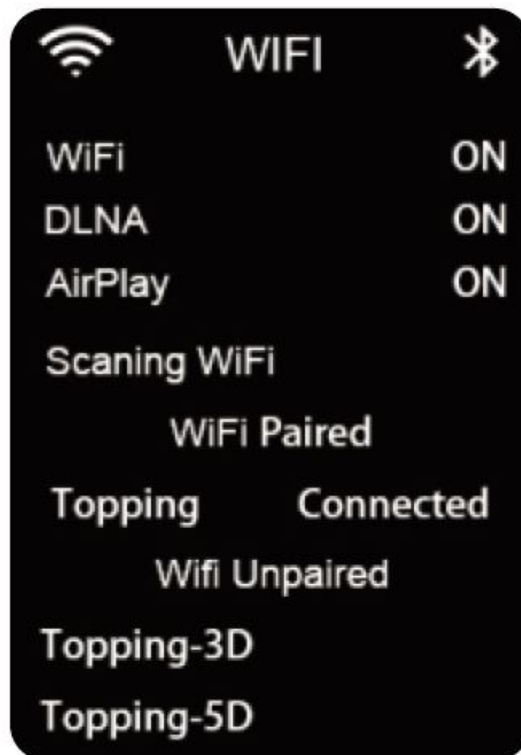
Output

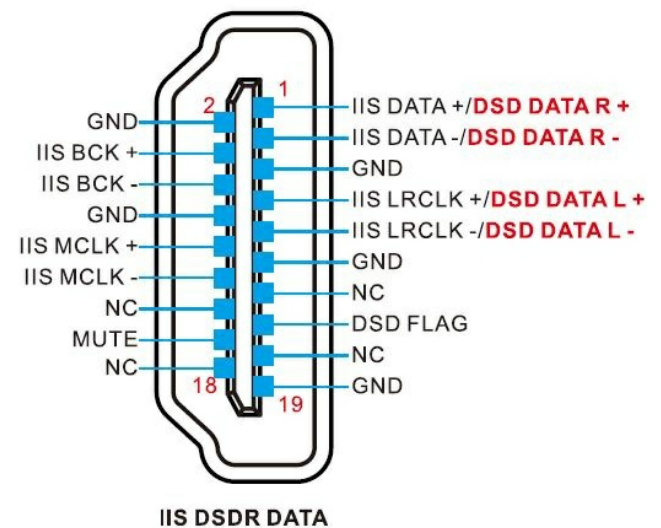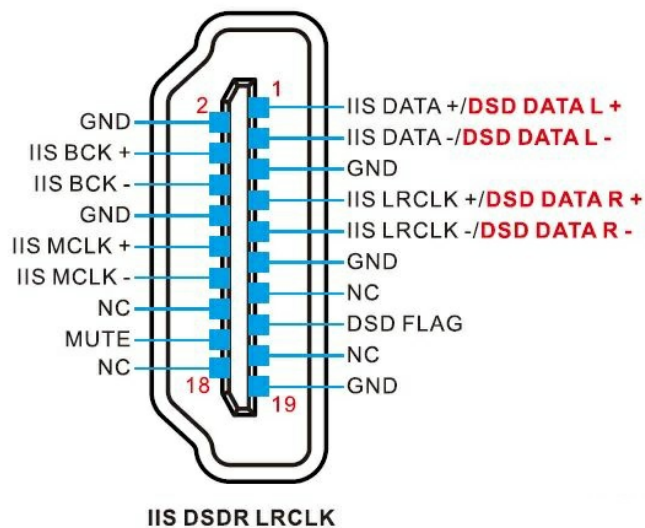|	BT OUT	USB-O TG OUT	SP DIF/IIS OUT
BT IN	✗	✓	✓
USB Stor age Oevice/HOO/TF card I N	✓	✓	✓
USB DAC	✓	✗	✓
Airplay /DLNA	✓	✓	✓

- Output priority: Bluetooth > IIS > USB-OTG > SPDIF
- SPDIF output or IIS output can be selected through [Main Interface – Play Settings – Output Mode]. If you need to use USB-OTG output, please do not set it to IIS output.

Operation

- Hiby Link [Main Interface – NET Settings – Bluetooth Setting – Hiby Link]
- Install the HiByMusic app on your Android or iOS smartphone and you can control the M50 from afar using Bluetooth, for browsing, playing, skipping tracks, etc.
- EQ Setting [Main Interface – Play Settings – EQ]
- Press the "Previous" or "Next" button to switch the EQ mode:
- Off/Custom/Heavy/metal/Blues/Vocal/Dance/Pop/Jazz/Classic/Rock
- If chose the custom mode, press the OK button to enter the custom setting, then
- press the "Back" or "Play Menu" button to switch the frequency, press the "Previous" or "Next" button to change the boost. Finally, press the OK button to save the settings.
- Firmware Update [Main Interface – System Settings – Firmware Update] Download the firmware to the TF card, and then select this option to upgrade the firmware.
- IIS Settings [Main Interface – Play Settings – IIS Phase/IIS DSDR/DSD Flag] IIS Phase: STD / REV

IIS PHASE STD

GND — 2	1 — IIS DATA +
IIS BCK +	IIS DATA -
IIS BCK -	GND
GND	IIS LRCLK +
IIS MCLK +	IIS LRCLK -
IIS MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC — 18	NC
	19 — GND

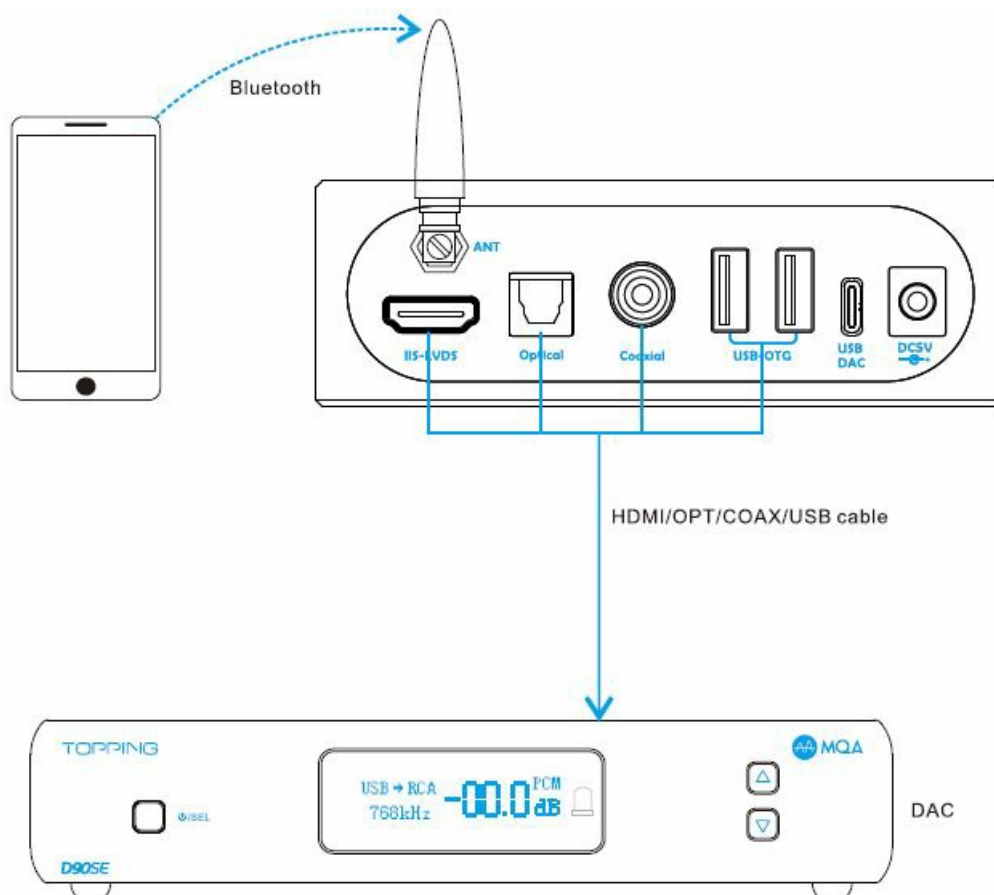**IIS PHASE REV**

GND — 2	1 — IIS DATA -
IIS BCK +	IIS DATA +
IIS BCK -	GND
GND	IIS LRCLK -
IIS MCLK +	IIS LRCLK +
IIS MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC — 18	NC
	19 — GND

IIS DSDR: LRCLK/ DATA

IIS DSDR LRCLK

GND — 2	1 — IIS DATA +/**DSD DATA L +**
IIS BCK +	IIS DATA -/**DSD DATA L -**
IIS BCK -	GND
GND	IIS LRCLK +/**DSD DATA R +**
IIS MCLK +	IIS LRCLK -/**DSD DATA R -**
IIS MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC — 18	NC
	19 — GND

IIS DSDR DATA

GND — 2	1 — IIS DATA +/**DSD DATA R +**
IIS BCK +	IIS DATA -/**DSD DATA R -**
IIS BCK -	GND
GND	IIS LRCLK +/**DSD DATA L +**
IIS MCLK +	IIS LRCLK -/**DSD DATA L -**
IIS MCLK -	GND
NC	NC
MUTE	DSD FLAG
NC — 18	NC
	19 — GND

DSD Flag: Pin15 / Pin14

DSD FLAG 15

2	1
GND	IIS DATA +
IIS BCK +	IIS DATA -
IIS BCK -	GND
GND	IIS LRCLK +
IIS MCLK +	IIS LRCLK -
IIS MCLK -	GND
NC	NC
MUTE	**DSD FLAG**
NC	NC
18	19
	GND

DSD FLAG 14

2	1
GND	IIS DATA +
IIS BCK +	IIS DATA -
IIS BCK -	GND
GND	IIS LRCLK +
IIS MCLK +	IIS LRCLK -
IIS MCLK -	GND
DSD FLAG	NC
MUTE	NC
NC	NC
18	19
	GND

Bluetooth Input

Bluetooth

HDMI/OPT/COAX/USB cable

ANT

IIS-LVDS   Optical   Coaxial   USB-OTG   USB DAC   DCSV

TOPPING

USB → RCA -00.0 dB PCM
768kHz

MQA

DAC

D90SE
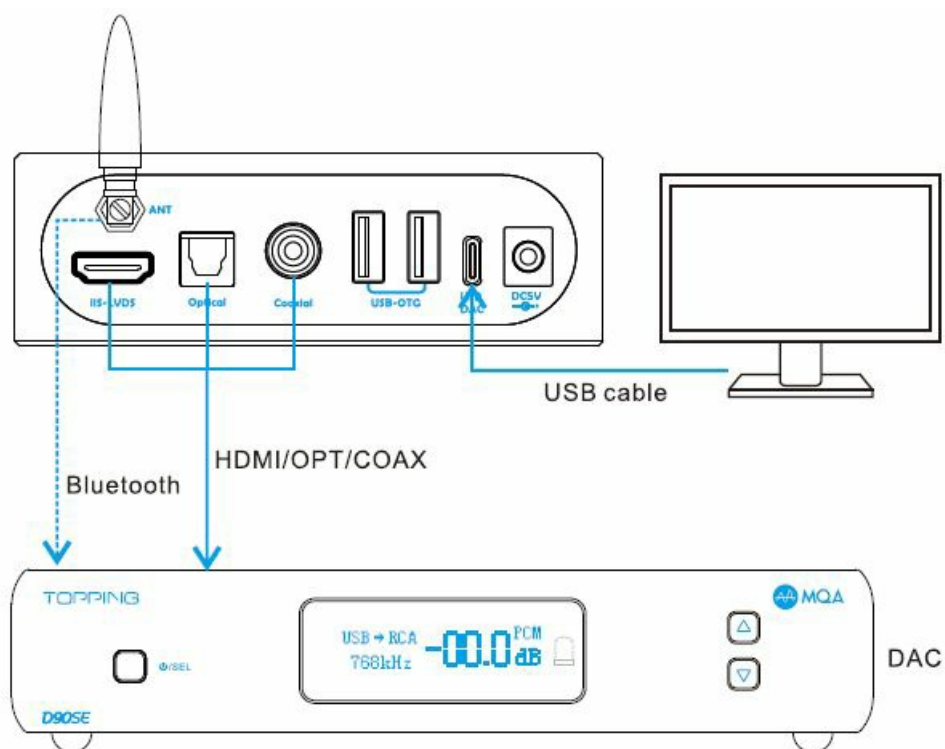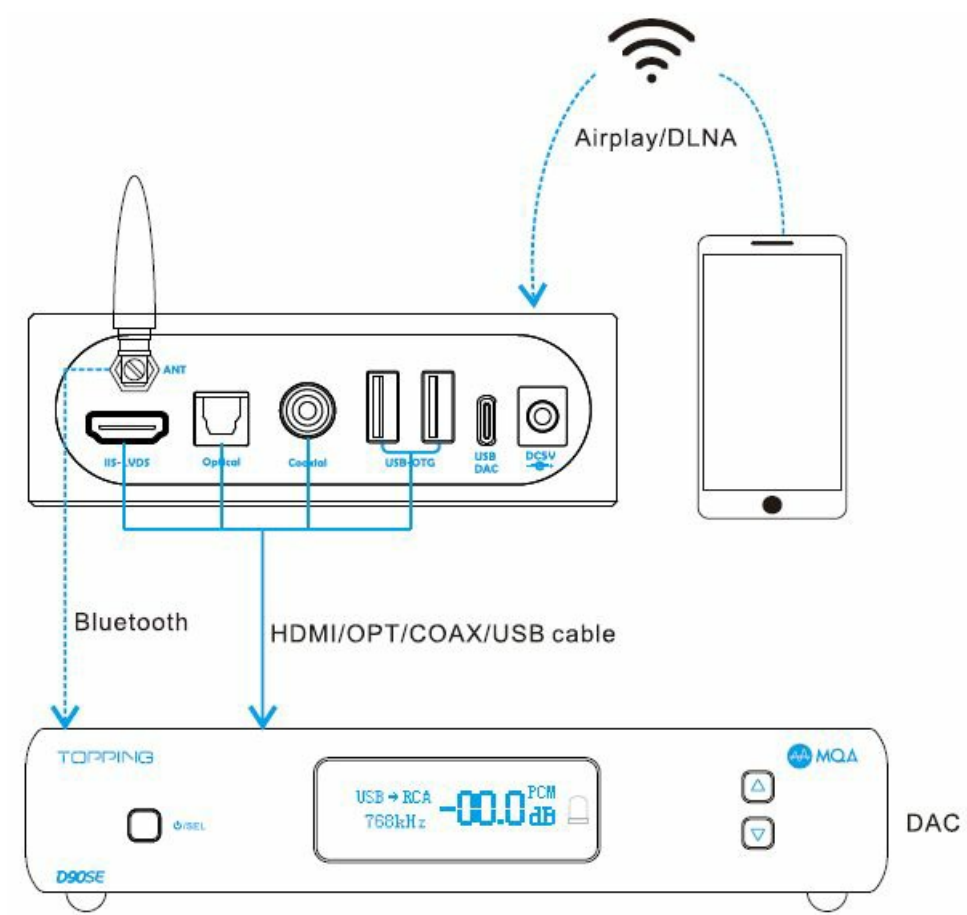
USB Storage Device/HDD/TF card

Connect to PC and use as USB Bridge

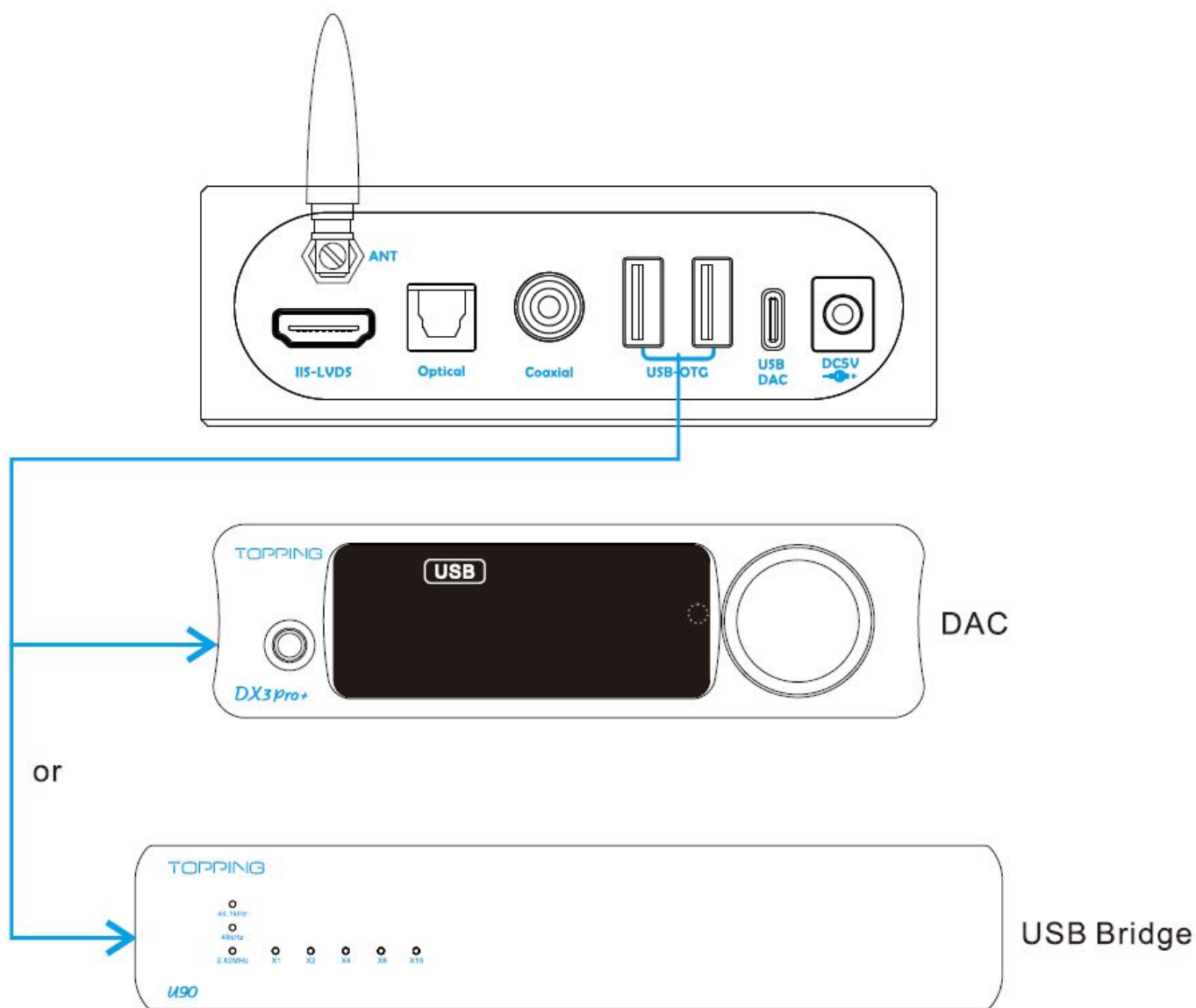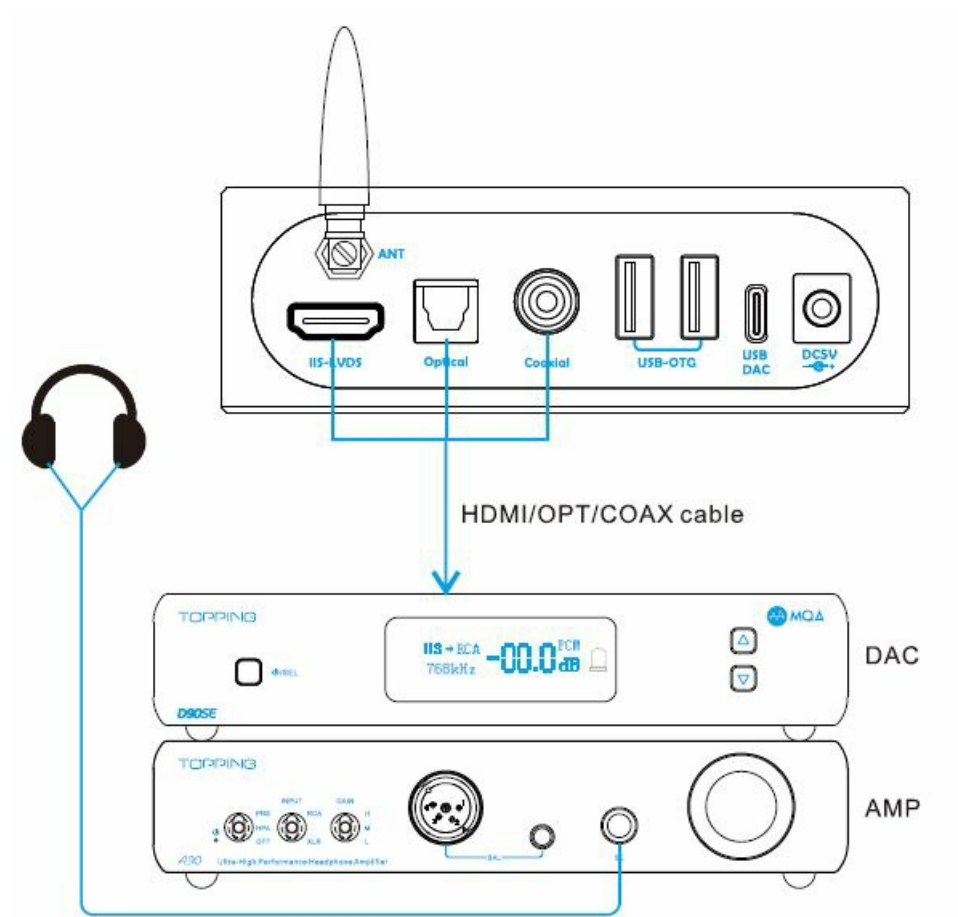**Airplay**/**DLNA**

Airplay/DLNA

ANT
IIS-LVDS Optical Coaxial USB-OTG USB DAC DC5V

Bluetooth

HDMI/OPT/COAX/USB cable

TOPPING

⏻/SEL

D90SE

USB → RCA -00.0 dB PCM
768kHz

MQA

DAC

Bluetooth Output

USB-OTG Output

ANT

IIS-LVDS   Optical   Coaxial   USB-OTG   USB DAC   DC5V

USB

DX3 pro+

DAC

or

TOPPING

44.1kHz
48kHz
2.82MHz   X1   X2   X4   X8   X16

U90

USB Bridge

SPDIF/IIS Output

HDMI/OPT/COAX cable

Documents / Resources

	TOPPING M50 Digital Network Player File Reader [pdf] User Guide M50 Digital Network Player File Reader, M50, Digital Network Player File Reader, Network Player File Reader, Player File Reader, File Reader