

Owner's Manual

XQ-140DSD

1-DIN DSD WITH DSP RECEIVER



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WARNINGS & PRECAUTIONS:

To avoid risk of serious injury or possible violation of laws, please read the following thoroughly before installation or connecting.

- This product is designed specifically for use with 12 volt, negative ground electrical systems only.
- Having the wiring and installation done by expert.
Be sure to disconnect the cable from the negative battery terminal while installation.
- This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids shall be placed on the apparatus.
- Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
- To prevent a short circuit, never put or leave any metallic objects(such as coins or metallic tools)inside the unit.
- Never set the volume of this product so high that you cannot hear outside traffic and emergency vehicles.

PRODUCT FEATURES:

Panel: Fixed

LCD: 2.86 inches TFT

Key Light: Multi Color

Bluetooth: Version 5.3

Bluetooth Music: Support

DSP: Built-in

EQ: 31 Band

Pre-Output: 8CH x 4V

Max Power: 4x141W

Xover: Support

High level input: 4 channels

Coax In: Support

Optical In: Support

Dsd Play Back: DSD 64\128\256\512

Extrapolation APTX Bluetooth: Option

Audio Format: MP3, WMA, AAC, FLAC, APE, DSF, DFF

Time Alignmnet: 0-20 ms

Q Value: 0.404~28.852

Subwoofer Control: Support

Playback Interface: USB

Phase: 0°-354.375°

Listening Bit Setting: Support

Slope: Support

PACT™-SWI: Support

Remote: Support

Microphone: Built-in and External

Radio: Preset 18FM, 12AM, RDS

APP Control: iOS and Android Phone

Charge: Rear USB 1.5A

PC Audio Tuning: Support

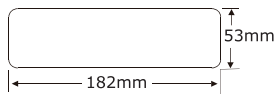
INSTALLATION

Installation Procedures

First complete the electrical connections and then check for correctness.

Installation Opening

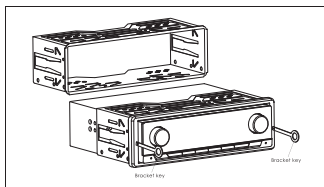
This unit can be installed in any dashboard Having an opening as shown below:



TO Install The Car Radio

Be sure you test all connections first, and then follow these steps to install this unit.

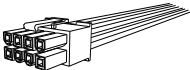
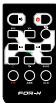
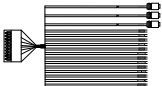
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery' s negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Remove the detachable panel and decorative enclosure frame and place on one side.
4. Insert the two brackets into the left and right sides of the chassis, as shown in the following figure, and separate the chassis from the sleeve.



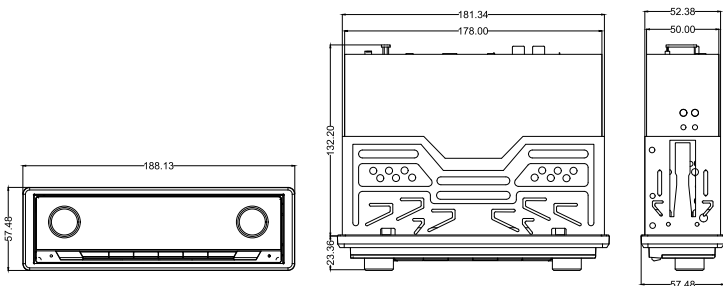
5. Insert the installation sleeve into the center console to be installed, and bend the clip using a screwdriver. Make sure the locking rod is flush with the mounting sleeve and does not protrude.
6. Connect cables as shown in the Wiring diagram.
7. Insert the car radio into the mounting sleeve.
8. Install decorative enclosure frame.

ACCESSORY LIST:

Please check the following accessories after opening the package:

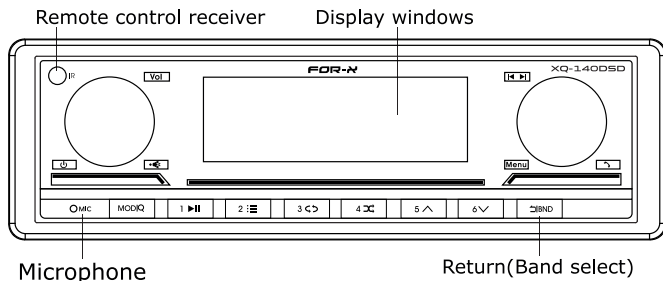
8P power harness wire x1	Remote x1	Frame x1	
		 Install on the host	
Half sleeve x1	Diassemble keys x2	10P USB+Type-c cable x1	
 Install on the host			
18P HI-IN cable x1	16P RCA cable x1	16P speaker cable x1	User Manual/Warranty Card/ Service Manual
			

DIMENSION(UNIT:MM):

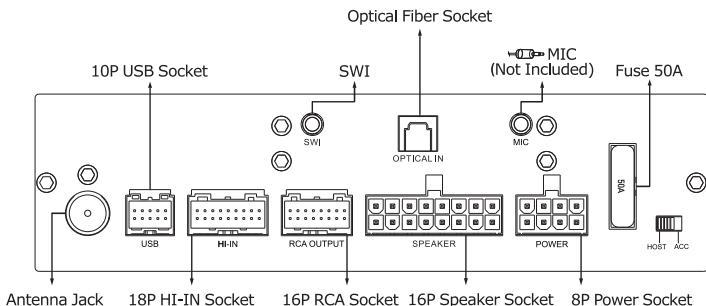


BASIC FUNCTIONS OF PANEL KEYS:

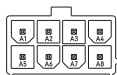
To	Radio status	USB MUSIC Status
1 ►	Preset 1	Playback/Pause
2 ≡	Preset 2	Intro Playback
3 ◀▶	Preset 3	Repeat Playback
4 ⌘	Preset 4	Random Playback
5 ^	Preset 5	Long press to switch to the tenth song before
6 v	Preset 6	Long press to switch to the tenth song that follows
	Seek a station manually	Previous/Next track
	Turn the right knob to select the application, press briefly to enter, and press briefly again to exit	
	Turn the left knob to adjust the volume. Press it briefly to mute and hold it down to turn off the power.	
MOD/Q	Press to select a source/Press and hold to auto memory	
↶/BND	Return to the previously opened application/Radio Band Select	



WIRING DIAGRAM:



A: 8P Power Socket



A1: B+

A3: B+

A5: GND

A7: GND

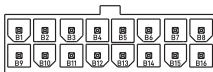
A2: B+

A4: B+

A6: GND

A8: GND

B: 16P Speaker Socket



B1: FL+

B5: RL+

B9: FL+

B13: RL+

B2: FL-

B6: RL-

B10: FL-

B14: RL-

B3: FR+

B7: RR+

B11: FR+

B15: RR+

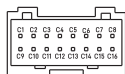
B4: FR-

B8: RR-

B12: FR-

B16: RR-

C: 16P RCA Socket



C1: CH1

C5: GND

C9: CH3

C13: GND

C2: GND

C6: CH5

C10: GND

C14: CH8

C3: CH2

C7: CAM GND

C11: CH4

C15: AMP

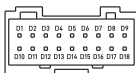
C4: CH6

C8: CAN-IN

C12: CH7

C16: GND

D: 18P HI-IN Socket



D1: SWC2

D5: COAX-IN

D9: RR+

D13: GND

D17: RL-

D2: ACC

D6: FL+

D10: SWC1

D14: AUX-R

D18: RL-

D3: ILL

D7: FR+

D11: BACK

D15: FL-

D4: GND

D8: RL+

D12: AUX-L

D16: FR-

E: 10P USB Socket



E1: U-DM2

E3: U-5V

E5: T-VBUS

E7: T-DM1

E9: T-CC1

E2: GND

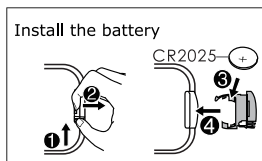
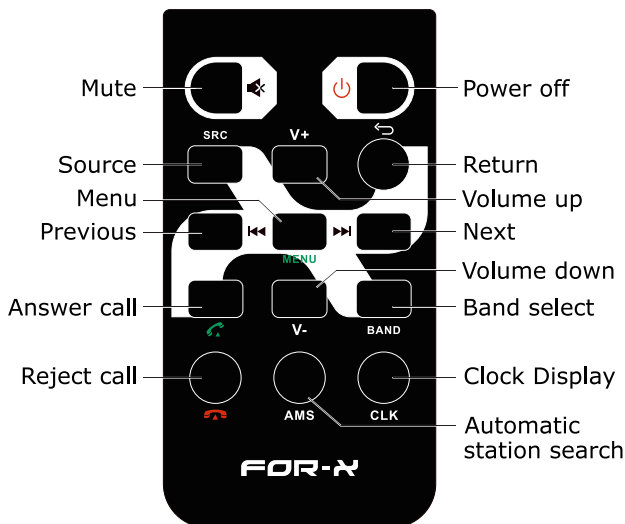
E4: T-CC2

E6: T-DP1

E8: U-DP2

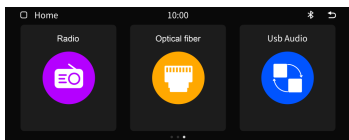
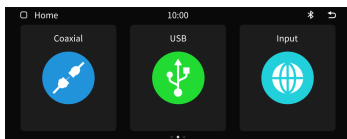
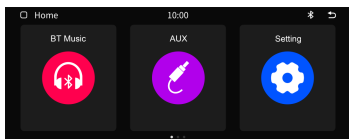
E10: T-VBUS

REMOTE OPERATION:



MAIN INTERFACE:

Rotate the right knob to the application you want to open, and then press the right knob to enter its page.



 Press the right knob to enter the Bluetooth music interface

 Press the right knob to enter the setting interface

 Press the right knob to enter the USB music interface

 Press the right knob to enter the radio interface

 Press the right knob to enter the USB Audio interface

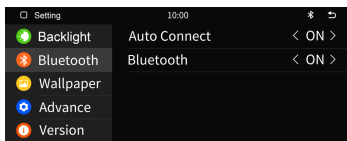
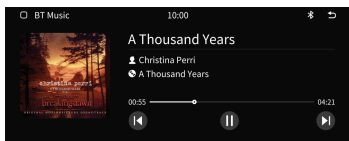
 Press the right knob to enter the AUX interface

 Press the right knob to enter the coaxial interface

 Press the right knob to enter the input interface

 Press the right knob to enter the fiber interface

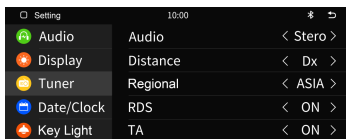
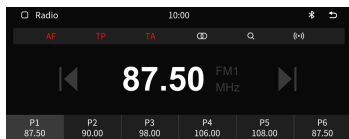
BLUETOOTH MUSIC INTERFACE:



Operation method

1. Find Bluetooth in the settings to set the Bluetooth switch (default on state) and other functions.
2. Open Bluetooth on your phone to search for XQ-140DSD and connect.
3. Turn the knob on the right side to switch to the previous/next song.
4. Press the panel button [1 ►||] to pause/play the song.

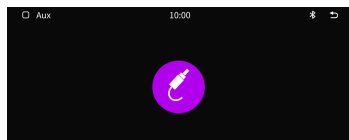
RADIO INTERFACE:



Operation method

1. Switch the corresponding frequency band through the panel buttons, which are [1 ▶, 2 ≡, 3 ↶, 4 ✕, 5 ^, 6 ▼].
2. Turn the right knob and hold for 3 seconds to search for radio stations.
3. Press panel button [↶/BND] to switch between FM1/FM2/FM3/AM1/AM2.
4. Press panel button [MOD/Q] to search and save radio stations.
5. Find Tuner in the setting to set the radio function.

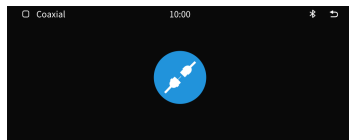
AUX INTERFACE:



Operation method

1. Connect a portable audio player through a 3.5mm stereo mini plug.
2. Open AUX auxiliary input on the main interface.

COAXIAL INTERFACE:

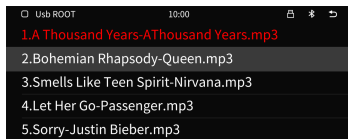


Operation method

1. Connect external audio device to XQ-140DSD using coaxial cable
2. Open the coaxial interface auxiliary connection on the main interface.

USB INTERFACE:

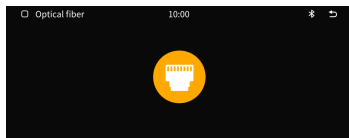
Note: USB drives 32GB+ must be formatted to NTFS via computer.



Operation method

1. Press the panel button [1 ►||] to pause/play the song.
2. Press the panel button [3 ⇄] to switch between single loop/list loop.
3. Press the panel button [4 ⌘] to play randomly.
4. Press the panel button [5 ▲, 6 ▼] to play the first 10/last 10 songs.
5. Press the panel button [7 /BND] to enter the USB song list, press the panel button [5 ▲, 6 ▼] to flip pages, turn the right knob to select songs, and press the right knob to play songs.

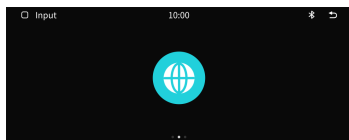
FIBER OPTIC INTERFACE:



Operation method

1. Connect external audio devices to XQ-140DSD using fiber optic cables.
2. Open the fiber optic interface auxiliary connection on the main interface.

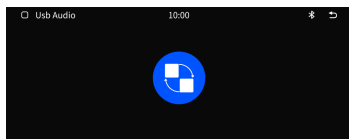
INPUT INTERFACE:



Operation method

1. Connect external audio devices to XQ-140DSD using a high-level cable.
2. Open the INPUT interface of the main interface for auxiliary connection.

USB AUDIO INTERFACE:



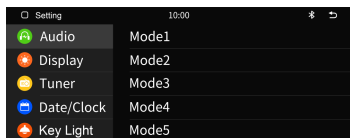
Operation method

1. After connecting the phone, open the USB Audio interface on the main interface to assist playback.

Android phone: After connecting to the phone through a Type-C cable, the phone plays audio and the sound is transmitted to 140DSD through Type-C.

Apple phones: Apple 14 and earlier phones have a Lightning interface and require a Type-C to Lightning cable to assist in connecting the phone to the host. After Apple 15, phones can be directly connected using the original Type-C cable

SETTING INTERFACE:



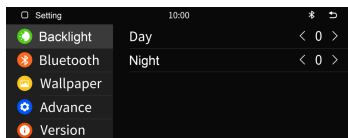
AUDIO
Selectable modes 1 to 6.

DISPLAY
Adjustable display brightness, color, and contrast.

TUNER
Audio, reception distance, reception area, and RDS can be set.

DATE/LIGHT
Can set time and date.

KEY LIGHT
Panel backlight color can be set.



BACKLIGHT
Display backlight can be set.

BLUETOOTH
The Bluetooth switch and auto connection can be set.

WALLPAPER
Can set white/black wallpaper.

ADVANCE
Can set USB device/PC tool.

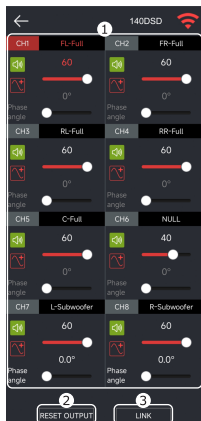
VERSION
View version information.

APP OPERATION: HOMEPAGE



- 1 Optional to change audio presets.
- 2 Selection of main and mixed audio sources.
- 3 The volume adjustment includes master volume, subwoofer, and high, medium, and low frequencies.
- 4 Output setting.
- 5 Delay setting.
- 6 Equalizer setting.
- 7 Mixing setting.
- 8 System setting.
- 9 Play setting.

OUTPUT SETTING



- 1 8-channel low-level output with customizable channel functionality.
- 2 Reset output.
- 3 Linkage output.

APP OPERATION: TIME ALIGNMENT (DELAY)

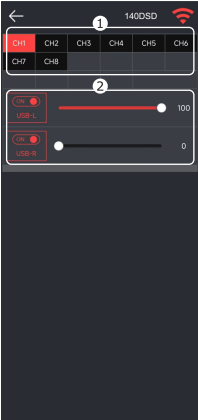


1 To set a time delay, select the desired reference position, measurement unit, and output channel, and then adjust the selection of the desired output channel and time delay value.

Support latency adjustment within the following unit range: 0-20ms/0-692cm/0-273inch.

2 Selection of measurement units.

MIXING SETTING



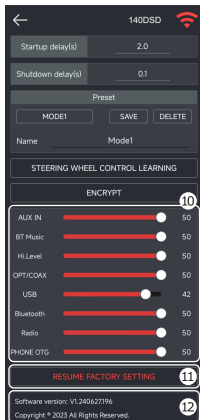
1 8-channel mixing, single channel mixing effects can be set.

2 Mixing ratio adjustment.

APP OPERATION: SYSTEM SETTING



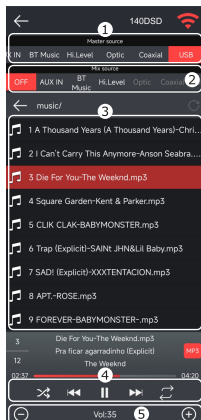
- ① Adjustment of main sound source attenuation ratio.
- ② Default audio source selection when the host is turned on.
- ③ Reverse volume selection.
- ④ Noise gate adjustment.
- ⑤ Vocal enhancement adjustment.
- ⑥ Power saving mode adjustment.
- ⑦ Power on/off delay setting.
- ⑧ Audio default preset adjustment.
- ⑨ Steering wheel control setting.



- ⑩ Single program volume adjustment, without interfering with the main sound source.
- ⑪ Restore factory setting.
- ⑫ Software version information.

APP OPERATION:

PLAYER SETTING



1 Main audio source selection (low-level, Bluetooth music, high-level, fiber optic, coaxial, USB, Bluetooth, radio, mobile OTG).

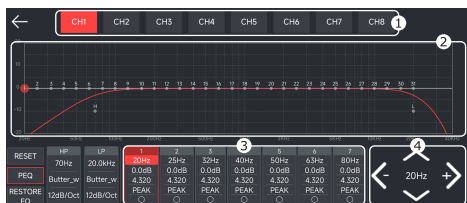
2 Mixing audio source selection (OFF/low level, Bluetooth music, high level, fiber optic, coaxial, USB, Bluetooth, radio, mobile OTG).

3 Currently, when the main audio source is USB, you can choose the music you want to play.

4 When currently USB, adjustable functions (single loop/list loop/random play, previous track, next track, pause/play).

5 Single program volume adjustment, without interfering with the main sound source.

EQUALIZER SETTING



1 8-channel Equalizer, capable of single channel adjustment of Equalizer.

2 Graphic equalizer: After selecting the frequency you want to adjust, you can directly drag and adjust the selected frequency on the graphic equalizer.

3 Equalizer frequency band selection (31 band EQ).

4 Equalizer Fine tuning.

TROUBLE SHOOTING:

Not work

Fuse blown
Loose panel contact

Remedy

Replace the fuse: small 50A(transparent)
Take out the panel and reinstall

Not responding

System problem

Reset the unit

No bass

Subwoofer setting level
is too small

Enter AUDIO to set SVOL

Can't turn on voice

Bluetooth is not connected
Phone does not support voice

Connect Bluetooth
N.A

Not playing

Incorrect device format
Device error
Unsupported audio file

Reformat
Replacement device
Replace supported audio files

Radio reception is poor

Poor contact of radio antenna
Poor signal at location

Reconnect the radio antenna
Change to other positions

Remote control is invalid

Remote control battery is low

Replace CR2025 battery

Bluetooth call is poor

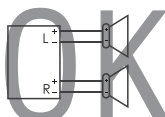
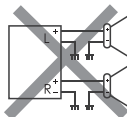
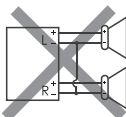
Microphone is too far away

Speak into the microphone

SPEAKER CONNECTION:

Do not connect the speaker leads of the power cord to the car battery;
otherwise, the unit will be seriously damaged.

Before oconnecting the speak leads of the power cord to the speakers,
check the speaker wiring in your car.



SPECIFICATION:

GENERAL	Operating Voltage	14.4V(10.8V allowable)
	Maximum Current	50A
	Operational Temperature	-10°~+60°
	Installation Size(WxHxD)	182mmx53mmx133mm
	Net Weight	0.6kg
	Fuse	Small fuse 50A(transparent)

AUDIO	Maximum Output Power	141Wx4
	Speaker Impedance	4-8ohm
	Pre-output Level	4v

RADIO	FM Frequency Range	87.5MHz-108.0MHz
	AM Frequency Range	522KHz-1620KHz
	Preset	18FM , 12AM

USB	USB Standard	USB1.5A
	Audio Format	MP3/WMA/AAC/FLAC/APE/DSF/DFF
	USB	≤32G FAT32 ≥64GB NTFS

BLUETOOTH	Version	Bluetooth 5.3
	Frequency Range	2.402GHz-2.480GHz
	Communication Range	Line of sight approx.10m
	Profile	HPF1.6/A2DP/AVR/SPP