FOR-X

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Owner's Manual

XQ-140DSD

1-DIN DSD WITH DSP RECEIVER



Available on APP Store

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CE

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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 installtion.
- 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

Extraposition 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

PAC™-SWI: Support

Remote: Support

Microphone: Built-in and External

Radio: Preset 18FM, 12AM, RDS

APP Control: iOS and Android Phone

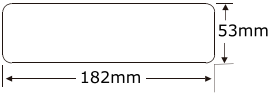
Charge: Rear USB 1.5A

PC Audio Tuning: Support

INSTALLATION

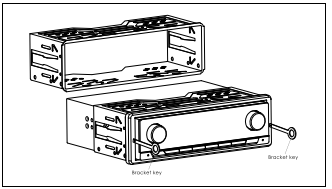
Installation Procedures
First complete the electrical connections and then check for correctness.

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



TO Install The Car Radio

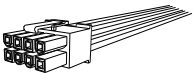
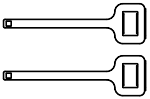
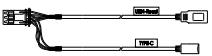
Be sure you test all connections first, and then follow these steps to install this unit.
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery' s negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Remove the detachable panel and decorative 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.

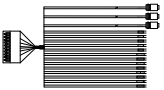
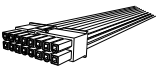


5. Insert the installation sleeve into the center console to be installed, and bend the clip using a screwdriver. Make sure the locking rod is flush with the mounting sleeve and does not protrude.
6. Connect cables as shown in the Wiring diagram.
7. Insert the car radio into the mounting sleeve.
8. Install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

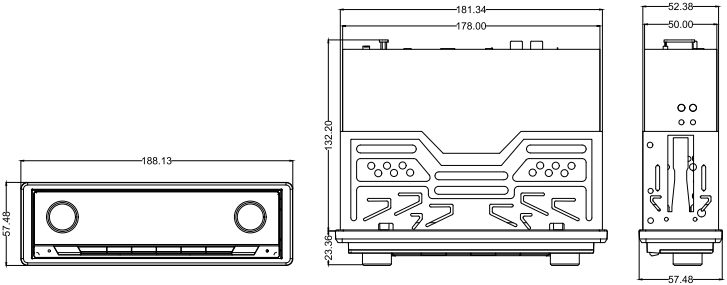
ACCESSORY LIST:

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		

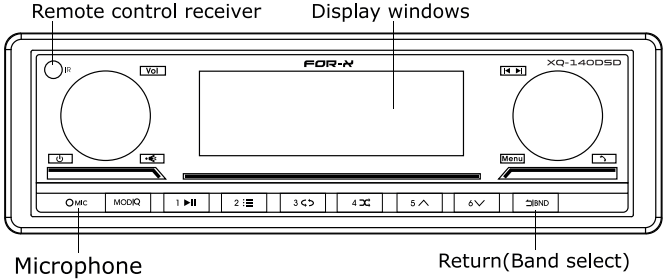
18P HI-IN cable x1	16P RCA cable x1	16P speaker cable x1	User Manual/Warranty Card/ Service Manual
			

DIMENSION(UNIT:MM):

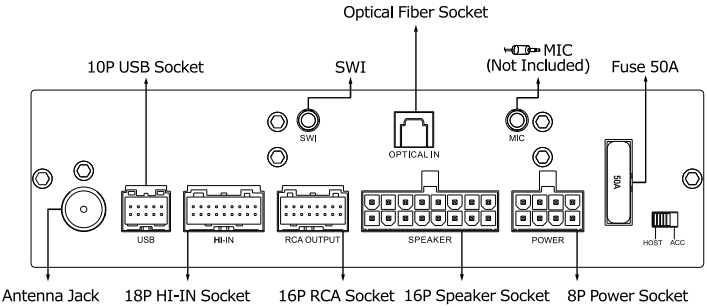


BASIC FUNCTIONS OF PANEL KEYS:

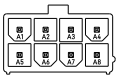
To	Radio status	USB MUSIC Status
1 ▶II	Preset 1	Playback/Pause
2 ⋮≡	Preset 2	Intro Playback
3 ↻	Preset 3	Repeat Playback
4 ⤮	Preset 4	Random Playback
5 ∧	Preset 5	Long press to switch to the tenth song before
6 ∨	Preset 6	Long press to switch to the tenth song that follows
⏮ ⏭	Seek a station manually	Previous/Next track
Menu ↩	Turn the right knob to select the application, press briefly to enter, and press briefly again to exit	
Vol ⏻ 🔇	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:

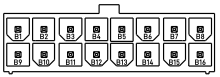


A: 8P Power Socket



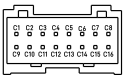
A1 : B+	A3 : B+	A5 : GND	A7 : GND
A2 : B+	A4 : B+	A6 : GND	A8 : GND

B: 16P Speaker Socket



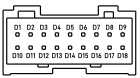
B1 : FL+	B5 : RL+	B9 : FL+	B13 : RL+
B2 : FL-	B6 : RL-	B10 : FL-	B14 : RL-
B3 : FR+	B7 : RR+	B11 : FR+	B15 : RR+
B4 : FR-	B8 : RR-	B12 : FR-	B16 : RR-

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



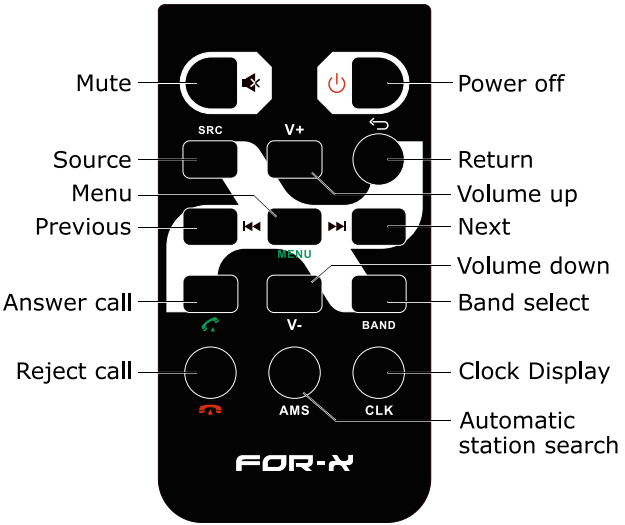
D1 : SWC2	D5 : COAX-IN	D9 : RR+	D13 : GND	D17 : RL-
D2 : ACC	D6 : FL+	D10 : SWC1	D14 : AUX-R	D18 : RL-
D3 : ILL	D7 : FR+	D11 : BACK	D15 : FL-	
D4 : GND	D8 : RL+	D12 : AUX-L	D16 : FR-	

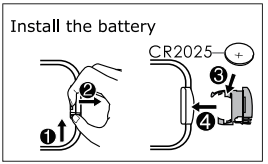
E: 10P USB Socket



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 AUX interface

Press the right knob to enter the setting interface

Press the right knob to enter the coaxial interface

Press the right knob to enter the USB music interface

Press the right knob to enter the input interface

Press the right knob to enter the radio interface

Press the right knob to enter the fiber interface

Press the right knob to enter the USB Audio interface

BLUETOOTH MUSIC INTERFACE:

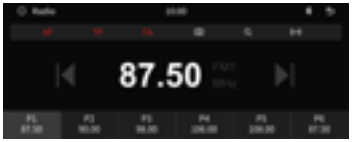




Operation method

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 ▶II] to pause/play the song.

RADIO INTERFACE:





Operation method

1. Switch the corresponding frequency band through the panel buttons, which are [1 ▶II, 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 [MODE/🔍] to search and save radio stations.
5. Find Tuner in the setting to set the radio function.

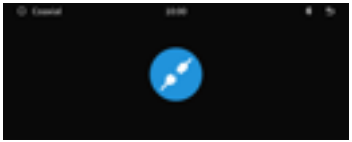
AUX INTERFACE:



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 ▶II] 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 [⮌/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

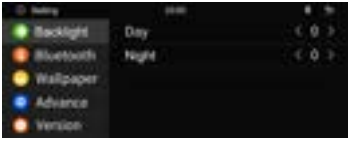
1. After connecting the phone, open the USB Audio interface on the main interface to assist playback.

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.

BACKLIGHT
Display backlight can be set.

DISPLAY
Adjustable display brightness, color, and contrast.

BLUETOOTH
The Bluetooth switch and auto connection can be set.

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

WALLPAPER
Can set white/black wallpaper.

DATE/LIGHT
Can set time and date.

ADVANCE
Can set USB device/PC tool.

KEY LIGHT
Panel backlight color can be set.

VERSION
View version information.

APP OPERATION:

HOMEPAGE



❶ Optional to change audio presets.

❷ Selection of main and mixed audio sources.

❸ The volume adjustment includes master volume, subwoofer, and high, medium, and low frequencies.

❹ Output setting.

❺ Delay setting.

❻ Equalizer setting.

❼ Mixing setting.

❽ System setting.

❾ Play setting.

OUTPUT SETTING



❶ 8-channel low-level output with customizable channel functionality.

❷ Reset output.

❸ Linkage output.

APP OPERATION:

TIME ALIGNMENT (DELAY)

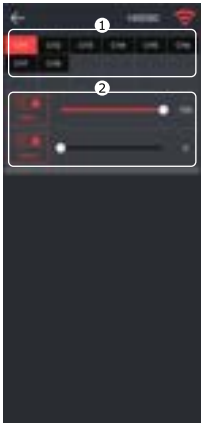


❶ To set a time delay, select the desired reference position, measurement unit, and output channel, and then adjust the selection of the desired output channel and time delay value.

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

❷ Selection of measurement units.

MIXING SETTING



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

❷ Mixing ratio adjustment.

APP OPERATION:

SYSTEM SETTING



❶ Adjustment of main sound source attenuation ratio.

❷ Default audio source selection when the host is turned on.

❸ Reverse volume selection.

❹ Noise gate adjustment.

❺ Vocal enhancement adjustment.

❻ Power saving mode adjustment.

❼ Power on/off delay setting.

❽ Audio default preset adjustment.

❾ Steering wheel control setting.



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

⓫ Restore factory setting.

⓬ Software version information.

APP OPERATION:

PLAYER SETTING



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

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

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

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

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

EQUALIZER SETTING



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

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

❸ Equalizer frequency band selection (31 band EQ).

❹ Equalizer Fine tuning.

PC SIDE OPERATION:

Access the settings interface, click on the ADVANCE option, and configure the PC tool connection.



The PC DSD software integrates a variety of audio adjustment functions.

The main interface includes a frequency response chart, 31 - band parametric equalization, and high/low - pass filtering, which can adjust audio parameters.

The scene interface supports loading/saving scene files.

The option interface enables adjustments such as language and volume.

The delay interface accurately sets the delay for each channel to optimize the sound field.

The mixing interface controls channel allocation and volume.

These functions work together to achieve comprehensive audio adjustment and enhance the automotive audio experience.

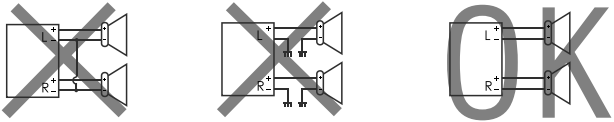
TROUBLE SHOOTING:

Not work	**Remedy**
Fuse blown	Replace the fuse: small 50A(transparent)
Loose panel contact	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	Connect Bluetooth
Phone does not support voice	N.A
Not playing	
Incorrect device format	Reformat
Device error	Replacement device
Unsupported audio file	Replace supported audio files
Radio reception is poor	
Poor contact of radio antenna	Reconnect the radio antenna
Poor signal at location	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 wil 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