



# NQ723BD

## User Manual



## DIGITAL MEDIA RECEIVER

# CONTENTS

Warnings&Precautions .....	1	EN
FCC Statement .....	1	EN
ISED Statement .....	2	EN
Product Features .....	2	EN
Installation .....	3	EN
Installation Procedures .....	3	EN
Installation Opening .....	3	EN
To Install The Car Radio .....	3	EN
Accessory List .....	4	EN
Dimension(Unit:mm) .....	4	EN
Wiring Diagram .....	5	EN
Basic Functions Of Panel Keys .....	6	EN
Remote Operation .....	7	EN
Basic Operation .....	7	EN
Radio Operation .....	8	EN
USB&SD Playback .....	8	EN
Supported Audio Playback List .....	8	EN
Bluetooth Operation .....	9	EN
Bluetooth Pairing .....	9	EN
Bluetooth Basic Operation .....	9	EN
Bluetooth Music Operation .....	9	EN
AUX Input .....	10	EN
External Microphone .....	10	EN
APP Operation .....	11	EN
APP Download .....	11	EN
APP Connection .....	11	EN
APP Operation .....	12	EN
Steering Wheel Control .....	13	EN
Audio Settings .....	14	EN
Audio Settings List .....	14	EN
Subwoofer Volume Adjustment .....	14	EN
Preset EQ Select .....	14	EN
User EQ Setup .....	14	EN
X-BASS Adjustment .....	14	EN
3D Surround Setup .....	14	EN
Audio Settings .....	15	EN
Bass Adjustment .....	15	EN
Middle Adjustment .....	15	EN
Treble Adjustment .....	15	EN
Audio Setup Reset .....	15	EN
Xover Setup .....	15	EN
Xover List .....	15	EN
Xover Setup .....	16	EN
Front&Rear HPF Frequency Setup .....	16	EN
Front&Rear HPF Slope Setup .....	16	EN
Front&Rear LPF Frequency Setup .....	16	EN
Front&Rear LPF Slope Setup .....	16	EN
Front&Rear Phase Setup .....	16	EN
Front&Rear Gain Setup .....	16	EN
Subwoofer LPF Frequency Setup .....	16	EN
Subwoofer LPF Slope Setup .....	16	EN
Subwoofer Phase Setup .....	16	EN
Subwoofer Gain Setup .....	16	EN
Animation Settings .....	16	EN
DTA Settings .....	17	EN
DTA Settings List .....	17	EN
Car Type Settings .....	17	EN
Listening Position Settings .....	17	EN
Delay Unit Settings .....	17	EN
Distance Settings .....	17	EN
DSP Reset .....	17	EN
Demo Mode Select .....	17	EN
Time Alignment(Distance) .....	18	EN
Clock And Date Settings .....	19	EN
Clock And Date Settings List .....	19	EN
Clock Format Settings .....	19	EN
Clock Adjust .....	19	EN
Date Format Settings .....	19	EN
Date Settings .....	19	EN
Tuner Settings .....	19	EN
Tuner Settings List .....	19	EN
Tuner Settings .....	20	EN
Stereo/Mono Select .....	20	EN
DX/Local Select .....	20	EN
RDS ON/OFF .....	20	EN
Tuner Regional Select .....	20	EN
Display Settings .....	20	EN
Display Settings List .....	20	EN
Key Light Select .....	20	EN
Spectrum On/Off .....	20	EN
ID3 On/Off .....	20	EN
System Version .....	20	EN
Precautions On Power Supply And Speaker Connections .....	20	EN
Specification .....	21	EN

## WARNINGS & PRECAUTIONS

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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.

## FCC STATEMENT

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Caution:** Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

### RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

# ISED STATEMENT

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**English:** This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. Cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

**French:** Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada. L'exploitation est soumise aux deux conditions suivantes :

1. Cet appareil ne doit pas provoquer d'interférences.
2. Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

## PRODUCT FEATURES

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**Panel:** Detachable

**LCD:** 2-Line VA-LCD

**Key Light:** Multi Color

**Bluetooth:** Version 5.0

**Bluetooth Music:** Support

**DSP:** Built-in

**EQ:** 40 Band, 8 Preset

**Pre-Output:** 6CH x 4V

**Max Power:** 4 x 50W

**Digital Output:** Optical

**Xbass:** Support

**Xover:** Support

**3D Surround:** Support

**Subwoofer Control:** Support

**Time Alignment:** 0-20 ms

**Q Value:** 1-20

**Playback Interface:** USB

**Phase:** 0° -180°

**Listening Bit Setting:** Support

**Slope:** -6dB ~ -18dB

**PAC-SWI:** Support

**Steering Wheel Control:** Support

**Microphone:** Built-in and External

**Remote:** Support

**Radio:** Preset 18FM, 12AM, RDS

**APP Control:** iOS and Android Phone

**Charge:** Front USB 1A, Rear USB 2A  
( front and rear USB cannot be charged at the same time)

**Audio Format:** MP3, WMA, AAC, FLAC, APE

# INSTALLATION

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## Installation Procedures

First complete the electrical connections and then check for correctness.

## Installation Opening

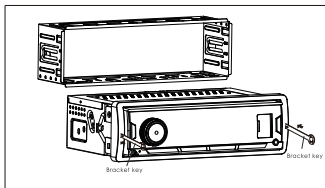
This unit can be installed in any dashboard Having an opening as shown below:



## To Install The Car Radio

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

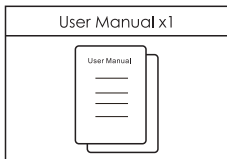
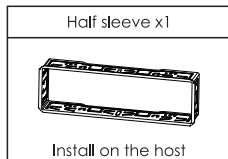
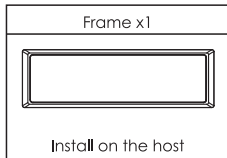
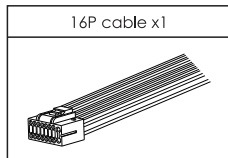
1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the antenna.
3. Remove the detachable panel and decorative enclosure frame and place on one side.
4. Insert the two brackets into the left and right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



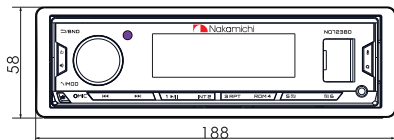
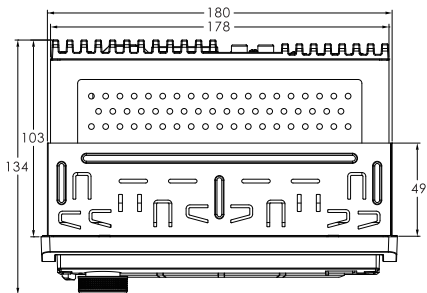
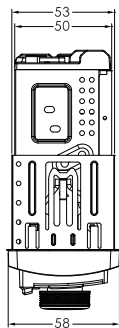
5. Insert the installation sleeve into the center console to be installed, and bend the clip using a screwdriver. Make sure the locking rod is flush with the mounting sleeve and does not protrude.
6. Connect cables as shown in the Wiring diagram.
7. Insert the car radio into the mounting sleeve.
8. Install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

# ACCESSORY LIST

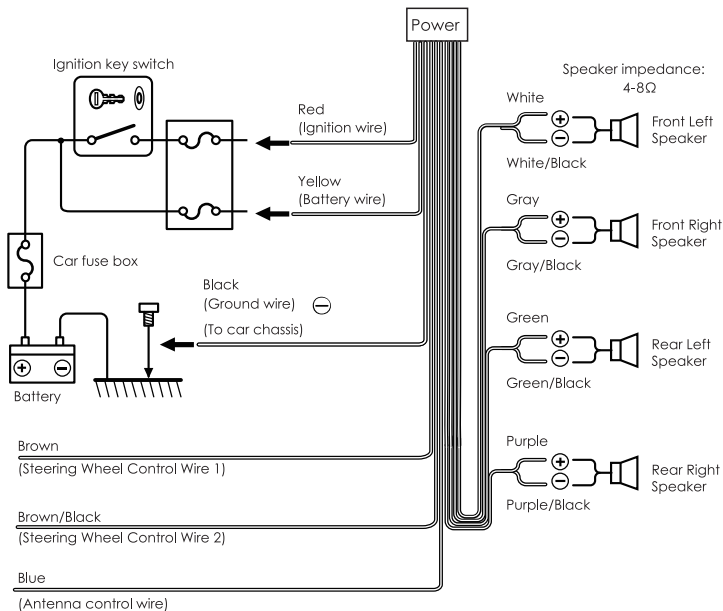
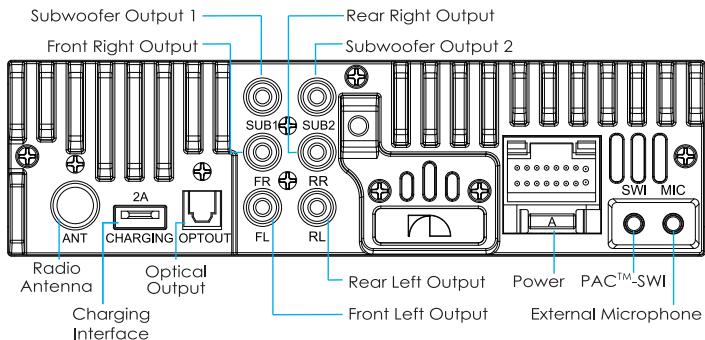
Please check the following accessories after opening the package:



# DIMENSION(UNIT:MM)

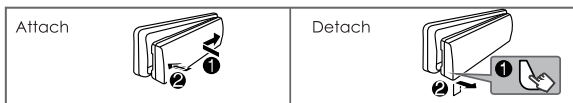
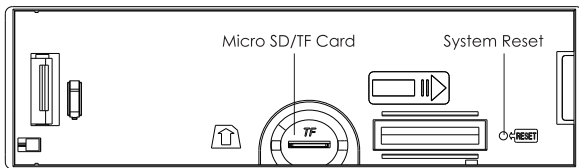
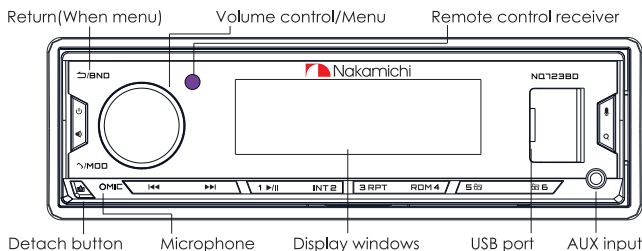


# WIRING DIAGRAM



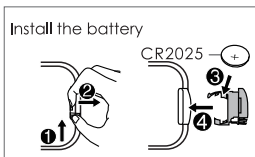
# BASIC FUNCTIONS OF PANEL KEYS

To	Radio status	USB/TF/BT MUSIC Status
⏪ ⏩	Seek a station manually	Previous/Next track
1 ▶/	Preset 1	Playback/Pause
INT 2	Preset 2	Intro Playback
3 RPT	Preset 3	Repeat Playback
RDM 4	Preset 4	Random Playback
5 6	Preset 5/Preset 6	Previous/Next folder
↶/BND	Band select	
⏻ 🔊	Press to mute, Press and hold to power off	
🎤 🔍	Press to turn on voice, Press an hold to auto memory	
↶/MOD	Press to select a source/Answer call Press an hold to last call	





# REMOTE OPERATION









## Basic Operation











To	Operation (panel)
Power on	Press any button
Power off	Press and hold /MUTE
Mute	Press /MUTE
Volume up and down	Turn the knob
Source select	Press /MODE
Menu	Press the knob
Return	Press /BND (In menu status)
Turn on voice	Press  (Bluetooth is connected)

# RADIO OPERATION

## Start Listening

To	Operation (panel)	Remark
Auto memory	Press and hold 	18 FM/12AM
Band selection	Press 	FM1/FM2/FM3/AM1/AM2
Seek a station manually	Press  	
Search the next or previous frequency step by step	Press and hold  	
Store a station	Press and hold 1-6	

# USB&SD PLAYBACK

To	Operation (panel)
Track selection	Press  
Fast playback	Press and hold  
Playback/Pause	Press 
Track pre-play	Press 
Repeat playback	Press  ● REPEAT ONE.REPEAT DIR.REPEAT ALL
Random playback	Press  ● ON/OFF
Folder selection	Press  

# SUPPORTED AUDIO PLAYBACK LIST

Audio	Stream	Sampling Rate	Remark
MP3	32kbps-384kbps	8/11.025/12/16/22.05 24/32/44.1/48KHz	MPEG1/2/2.5 Layer II&III
WMA	0kbps-320kbps	8/11.025/12/16/22.05 24/32/44.1/48KHz	WMA standard 4/4/1/7/8/9.1
APE	all bitrates allowed	8/16/22.05/24/32 44.1/48KHz	PCM Bit width 8/12/16/24bits
FLAC	all bitrates allowed	8/16/22.05/24/32 44.1/48	PCM Bit width 8/12/16
FLAC	Maximum bitrates 3000kbps	96KHz	24bits
AAC	all bitrates allowed	8/11.025/12/16/22.05 24/32/44.1/48KHz	MPEG2/4 AAC LC profile
M4A	all bitrates allowed	8/11.025/12/16/22.05 24/32/44.1/48KHz	ISO/IEC 14496-3 Amd 1:2003
WAV	32kbps-384kbps	8/11.025/12/16/22.05 24/32/44.1/48KHz	4 bit ADPCM only

# BLUETOOTH OPERATION

## Bluetooth Pairing





The first time pair mobile phone with receiver, please follow below steps:

1. When there is no pairing, in any mode, the BT1 on the LCD will flash, and the pairing can be performed at this time.
2. Turn on the phone's Bluetooth to Search NQ723BD.
3. Click on the NQ723BD on the phone to connect. After the connection is successful, the BT1 will stop flashing.
4. When pairing is complete, the mobile phone audio will automatically transfer to the car audio system whenever a call is made or received, or when the mobile phone plays music.




### Note:

For more details of bluetooth pairing, please refer to the owner's manual for your mobile phone.

## Bluetooth Basic Operation

To	Operation (panel)
Make a call	Bluetooth mobile phone connected
Answer a call	Press  /MOD
Reject an incoming call	Press an hold  /MOD
Switch between the current caller and a caller on hold	Press  /MOD (In a call)
End a call	Press an hold  /MOD (In a call)
Adjust call volume	Turn on the knob

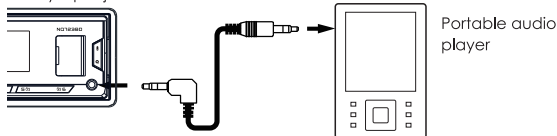
## Bluetooth Music Operation

To	Operation (panel)
Previous track	Press 
Next track	Press 
Playback/Pause	Press 

## AUX INPUT

1. Connect a portable audio player (commercially available).

Auxiliary input jack



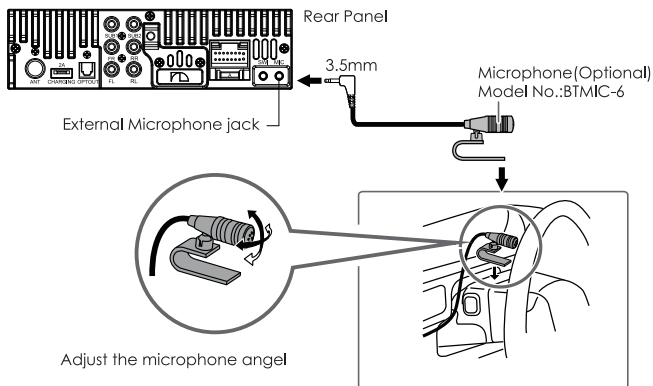
Auxiliary input jack

3.5mm stereo mini plug with "L" shaped connector.  
(commercially available).

2. Press [  MOD ] buttons to select AUX IN.

3. Turn on the portable audio player and start playback.

## EXTERNAL MICROPHONE



### Note:

Since the panel microphone is far from the driver's position, when using an external microphone, you can get better voice calls.

# APP OPERATION

## APP Download

With the Nakamichi AMC mobile APP, users can wirelessly control the NQ723BD MP3 on-board player's audio from their Apple or Android smartphone.

Please search for the Nakamichi AMC mobile APP through the Apple APP Store and Google Play Store to download the APP to your phone and install it.

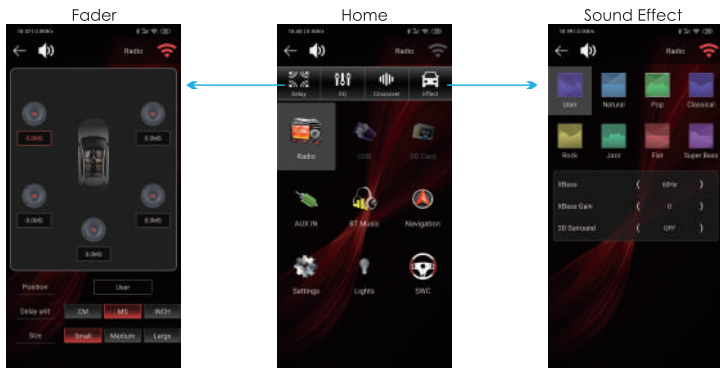


After the user pairs the smartphone with the NQ723BD MP3 car player, the user can tap the icon of the mobile APP on the screen of the smartphone to open the mobile APP.

## APP Connection

1. Open the [Nakamichi AMC] APP, click [ ] to search for NQ723BD.
2. Click NQ723BD to connect, the [ ] will be red after the connect is successful.

**Note:** The APP does not have PTY function, PTY function can only be operated on the machine.



# APP OPERATION

EQ Settings



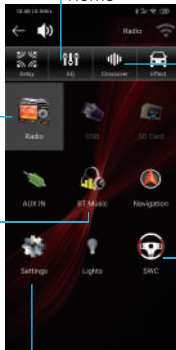
Frequency  
Gain

Adjustment

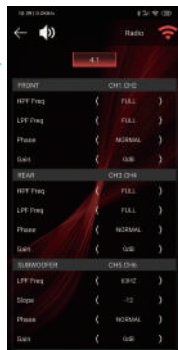
Radio



Home



Crossover



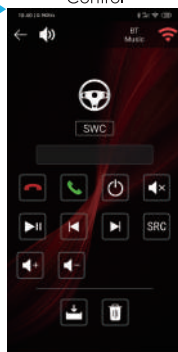
Bluetooth Music  
Playback



Settings




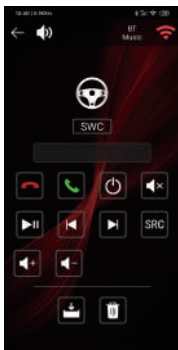
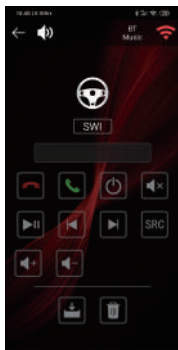
Steering Wheel  
Control



# STEERING WHEEL CONTROL



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1. Open the mobile APP and click SWI to enter the SWI interface.
2. Click [  ] to switch between SWI and SWC modes.
3. SWI is the Fixed steering wheel control mode and SWC is the steering wheel control learnable mode.



## Steering Wheel Control Learning

Follow these steps to set the functions of the control buttons on the steering wheel:

1. Click the [  ] to clear the cache, and then press any key to start learning.
2. Click the function icon to be learned on the mobile APP, and then press the corresponding function button on the steering wheel.
3. When the icon on the APP turns to gray, the setting is successful.
4. Repeat step 2 - 3 to complete all the control button setting.
5. Click the [  ] icon to save the Settings.

# AUDIO SETTINGS

1. Press the knob to enter the [MENU].
2. Turn the knob to select [AUDIO], then press the knob.

## Audio Settings List

Menu	Adjustment
SW LEVEL	SVOL -8 ~ 0
PRESET EQ	USER/NATURAL/POP/CLASS/ROCK/JAZZ/FLAT/SUPER BASS └ 30HZ/60HZ/80HZ/100HZ/120HZ/160HZ/250HZ/400HZ/ 600HZ/800HZ/ 1KHZ/1.5KHZ/2KHZ/2.5KHZ/3KHZ/3.5KHZ/4KHZ/4.5KHZ/5KHZ/5.5KHZ/ 6KHZ/6.5KHZ/7KHZ/7.5KHZ/8KHZ/8.5KHZ/9KHZ/9.5KHZ/10KHZ/11KHZ/ 12KHZ/13KHZ/14KHZ/15KHZ/ 15.5KHZ/16KHZ/17KHZ/18KHZ/19KHZ/20KHZ
X-BASS	FREQ OFF/60HZ/80HZ/120HZ/160HZ/200HZ/300HZ
	GAIN 0~3
3D SURROUND	OFF/ON
BASS	BASS -7 ~ +7
MIDDLE	MIDDLE -7 ~ +7
TREBLE	TREBLE -7 ~ +7
AUDIO RESET	NO/YES

## Subwoofer Volume Adjustment

1. Turn the knob to select [SW LEVEL], then press the knob.
2. Turn the knob to adjustment SVOL [-8 to 0].

## Preset EQ Select

1. Turn the knob to select [PRESET EQ ], then press the knob.
2. Turn the knob to select [USER/NATURAL/POP/CLASS/ROCK/JAZZ/FLAT/SUPER BASS].

## User EQ Setup

1. Turn the knob to select [PRESET EQ ], then press the knob.
2. Turn the knob to select [USER], then press the knob.
3. Turn the knob to select frequency for adjustment.

## X-BASS Adjustment

1. Turn the knob to select [X-BASS], then press the knob.
2. Turn the knob to select [FREQ/GAIN], then press the knob.
3. Turn the knob to select [OFF/60HZ/80HZ/120HZ/160HZ/200HZ/300HZ].
4. Turn the knob to adjustment [0-3].

## 3D Surround Setup

1. Turn the knob to select [3D SURROUND], then press the knob.
2. Turn the knob to select [OFF/ON].



# AUDIO SETTINGS

## Bass Adjustment

1. Turn the knob to select [BASS], then press the knob.
2. Turn the knob to adjustment [-7 to +7].

## MIDDLE Adjustment

1. Turn the knob to select [MIDDLE], then press the knob.
2. Turn the knob to adjustment [-7 to +7].

## Treble Adjustment

1. Turn the knob to select [TREBLE], then press the knob.
2. Turn the knob to select [-7 to +7].

## Audio Setup Reset

1. Turn the knob to select [AUDIO RESET], then press the knob.
2. Turn the knob to select [NO/YES].

# XOVER SETUP

## Xover Settings

1. Press the knob to enter the [MENU].
2. Turn the knob to select [X/OVER], then press the knob.
3. Turn the knob to select [SUBWOOFER/FRONT/REAR], then press the knob.

Menu	Adjustment	
FRONT	HPF FREQ	FULL/30HZ/40HZ/50HZ/63HZ/70HZ/80HZ/ 90HZ/100HZ/ 125HZ/160HZ/180HZ/220HZ/250HZ/315HZ/400HZ/500HZ/ 630HZ/700HZ/800HZ
	HPF SLOPE	-6DB/-12DB/-18DB
	LPF FREQ	FULL/630HZ/700HZ/800HZ/1KHZ/1.6KHZ/2.5KHZ/3.15KHZ/ 4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ
	LPF SLOPE	-6DB/-12DB/-18DB
	PHASE	NORMAL/REVERSE
	GAIN	-8 ~ 0
REAR	HPF FREQ	FULL/30HZ/40HZ/50HZ/63HZ/70HZ/80HZ/ 90HZ/100HZ/ 125HZ/160HZ/180HZ/220HZ/250HZ/315HZ/400HZ/500HZ/ 630HZ/700HZ/800HZ
	HPF SLOPE	-6DB/-12DB/-18DB
	LPF FREQ	FULL/630HZ/700HZ/800HZ/1KHZ/1.6KHZ/2.5KHZ/3.15KHZ/ 4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ
	LPF SLOPE	-6DB/-12DB/-18DB
	PHASE	NORMAL/REVERSE
	GAIN	-8 ~ 0
SUBWOOFER	LPF FREQ	FULL/30HZ/40HZ/50HZ/63HZ/70HZ/80HZ/90HZ/100HZ/ 125HZ/160HZ/180HZ/220HZ/250HZ/315HZ/400HZ/500HZ/ 630HZ/700HZ/800HZ
	LPF SLOPE	-6DB/-12DB/-18DB
	PHASE	NORMAL/REVERSE
	GAIN	-8 ~ 0

# XOVER SETUP

---

## Front&Rear HPF Frequency Setup

1. Turn the knob to select [HPF FRQ],then press the knob.
2. Turn the knob to select [FULL/30HZ/40HZ/50HZ/63HZ/70HZ/80HZ/ 90HZ/100HZ/125HZ/160HZ/180HZ/220HZ/250HZ/315HZ/400HZ/500HZ/630HZ/700HZ/800HZ].

## Front&Rear HPF Slope Setup

1. Turn the knob to select [HPF SLOPE ],then press the knob.
2. Turn the knob to select [-6DB/-12DB/-18DB].

## Front&Rear LPF Frequency Setup

1. Turn the knob to select [LPF FRQ],then press the knob.
2. Turn the knob to select [FULL/630HZ/700HZ/800HZ/1KHZ/1.6KHZ/2.5KHZ/3.15KHZ/4KHZ/5KHZ/ 6.3KHZ/8KHZ/10KHZ/12.5KHZ].

## Front&Rear LPF Slope Setup

1. Turn the knob to select [LPF SLOPE ],then press the knob.
2. Turn the knob to select [-6DB/-12DB/-18DB].

## Front&Rear Phase Setup

1. Turn the knob to select [PHASE],then press the knob.
2. Turn the knob to select [NORMAL/REVERSE].

## Front&Rear Gain Setup

1. Turn the knob to select [GAIN],then press the knob.
2. Turn the knob to select [-8 to 0].

## Subwoofer LPF Frequency Setup

1. Turn the knob to select [LPF FREQ ],then press the knob.
2. Turn the knob to select frequency[FULL/30HZ/40HZ/50HZ/63HZ/70HZ/80HZ/90HZ/100HZ/ 125HZ/160HZ/180HZ/220HZ/250HZ/315HZ/400HZ/500HZ/630HZ/700HZ/800HZ].

## Subwoofer LPF Slope Setup

1. Turn the knob to select [LPF SLOPE],then press the knob.
2. Turn the knob to select [-6DB/-12DB/-18DB].

## Subwoofer Phase Setup

1. Turn the knob to select [PHASE],then press the knob.
2. Turn the knob to select [NORMAL/REVERSE].

## Subwoofer Gain Setup

1. Turn the knob to select [GAIN],then press the knob.
2. Turn the knob to select [-8 to 0].

# ANIMATION SETTINGS

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1. Press the knob to enter the [MENU].
2. Turn the knob to select [ANIMATION],then press the knob.
3. Turn the knob to select [OFF/PER 15 SEC/30 SEC/1 MIN/2 MINS/4 MINS].

Menu	Adjustment
ANIMATION	OFF/PER 15 SEC/30 SEC/1 MIN/2 MINS/4 MINS

## DTA SETTINGS

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1. Press the knob to enter the [MENU].
2. Turn the knob to select [DTA SET], then press the knob.

### DTA Settings List

Menu	Adjustment	
CAR TYPE	SMALL CAR/MEDIUM CAR/LARGE CAR	
POSITION	USER/FRONT L/FRONT R/CENTER	
DELAY UNIT	CM/MS/INCH	
DISTANCE	FRONT LEFT	FL 0~680CM/0~20MS/0~267INCH
	FRONT RIGHT	FR 0~680CM/0~20MS/0~267INCH
	REAR LEFT	RL 0~680CM/0~20MS/0~267INCH
	REAR RIGHT	RR 0~680CM/0~20MS/0~267INCH
	SUBWOOFER	SUB 0~680CM/0~20MS/0~267INCH
DTA RST	NO/YES	

### Car Type Settings

1. Turn the knob to select [CAR TYPE], then press the knob.
2. Turn the knob to select [SMALL CAR/MEDIUM CAR/LARGE CAR].

### Listening Position Settings

1. Turn the knob to select [POSITION], then press the knob.
2. Turn the knob to select [USER/FRONT R/FRONT L/CENTER].

### Delay Unit Settings

1. Turn the knob to select [DELAY UNIT], then press the knob.
2. Turn the knob to select [CM/MS/INCH].

### Distance Settings

1. Turn the knob to select [DISTANCE], then press the knob.
2. Turn the knob to select [FRONT LEFT/FRONT RIGHT/REAR LEFT/REAR RIGHT/SUBWOOFER], then press the knob.
3. Turn the knob to select [0~680CM/0~20.0MS/0~267INCH].

### DSP Reset

1. Turn the knob to select [DTA RST], then press the knob.
2. Turn the knob to select [NO/YES].

## DEMO MODE SELECT

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1. Press the knob to enter the [MENU].
2. Turn the knob to select [DEMO MODE], then press the knob.
3. Turn the knob to select [OFF/ON].

Menu	Adjustment
DEMO MODE	OFF/ON

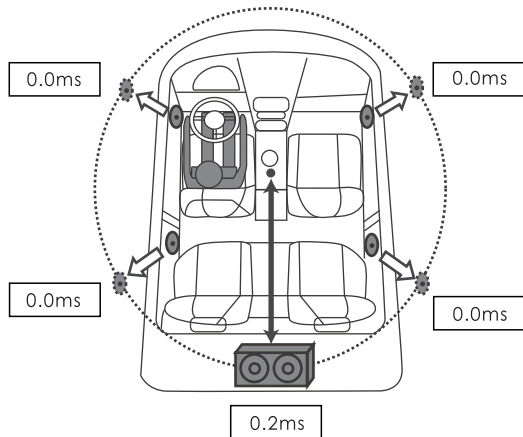
## TIME ALIGNMENT(DISTANCE)

1. Press the knob to enter the [MENU].
2. Turn the knob to select [DTA SET], then press the knob.
3. Turn the knob to select [DISTANCE], then press the knob.
4. Turn the knob to select [FRONT LEFT/FRONT RIGHT/REAR LEFT/REAR RIGHT/SUBWOOFER] to adjustment.

### Determining the value for <Position> adjustment.

- ① Determine the center of the currently set listening position as the reference point.
- ② The adjustable speaker has five directions: front left, front right, back left, back right, and back.
- ③ The time for the speakers in the five directions to reach the center is the same by default.
- ④ Set the value for each speaker, the delay range: 0-20ms
- ⑤ Adjust the increase or decrease of each speaker, 0.2ms each time.

**Example:** When <back> is selected as the listening position



# CLOCK AND DATE SETTINGS

1. Press the knob to enter the [MENU].
2. Turn the knob to select [CLOCK], then press the knob.

## Clock And Date Settings List

Menu	Adjustment
CLK FORMAT	12H/24H
CLK ADJUST	00:00
DATE FORMAT	DD-MM-YY/MM-DD-YY
DATE SET	01/01/2022

## Clock Format Settings

1. Turn the knob to select [CLK FORMAT], then press the knob.
2. Turn the knob to select [12H/24H].

## Clock Adjust

1. Turn the knob to select [CLK ADJUST], then press the knob.
2. Turn the knob to adjustment.
3. Press the knob to switch the clock/minute adjustment.

## Date Format Settings

1. Turn the knob to select [DATE FORMAT], then press the knob.
2. Turn the knob to select [DD-MM-YY/MM-DD-YY].

## Date Settings

1. Turn the knob to select [DATE SET], then press the knob.
2. Turn the knob to adjustment.
3. Press the knob to switch day/month/year adjustment.

# TUNNER SETTINGS

1. Press the knob to enter the [MENU].
2. Turn the knob to select [TUNER], then press the knob.

## Tunner Settings List

Menu	Adjustment	
TUNER	STEREO/MONO	NEWS/AFFAIRS/INFO/SPORT/EDUCATE/ DRAMA/CULTURE/SCIENCE/VARIED/ POP M/ROCK M/EASY M/LIGHT M/ CLASSICS/OTHER M/WEATHER/FINANCE/ CHILDREN/SOCIAL/RELIGION/PHONE IN/ TRAVEL/LEISURE/JAZZ/COUNTRY/ NATION M/OLDIES/FOLK M/DOCUMENT
	DX/LOCAL	
	RDS OFF/ON	
	TA OFF/ON	
	AF ON/OFF	
	EON OFF/ON	
	PI REG OFF/ON	
PTY OFF/ON		
REGIONAL EUROPE/USA/ASIA/RUSSIA		

# TUNNER SETTINGS

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## Stereo/Mono Select

Turn the knob to select [STEREO or MONO],then turn the knob select [STEREO/MONO].

## DX/Local Select

Turn the knob to select [LOC or DX],then turn the knob select [DX /LOCAL].

Remark: DX:Distant exchange

## RDS ON/OFF

Turn the knob to select [RDS OFF],then turn the knob select [RDS OFF/ON].

## Tuner Regional Select

Turn the knob to select [REGIONAL],then turn the knob select [EUROPE/USA/ASIA/RUSSIA].

# DISPLAY SETTINGS

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1. Press the knob to enter the [MENU].
2. Turn the knob to select [DISPLAY],then press the knob.

## Display Settings List

Menu	Adjustment
COLOR SELECT	AUTO/RED/GREEN/BLUE/YELLOW/CYAN/PURPLE/WHITE
SPECTRUM	OFF/ON
ID3 TAG	OFF/ON
VERSION	VER 3.3

## Key Light Select

1. Turn the knob to select [COLOR SELECT],then press the knob.
2. Turn the knob to select [AUTO/RED/GREEN/BLUE/YELLOW/CYAN/PURPLE/WHITE].

## Spectrum ON/OFF

1. Turn the knob to select [SPECTRUM],then press the knob.
2. Turn the knob to select [OFF/ON].

## ID3 ON/OFF

1. Turn the knob to select [ID3 TAG],then press the knob.
2. Turn the knob to select [OFF/ON].

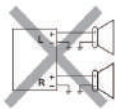
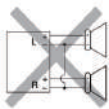
## System Version

Turn the knob to select [VERSION],then press the button to query the system version information.

# PRECAUTIONS ON POWER SUPPLY AND SPEAKER CONNECTIONS

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1. Do not connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
2. Before connecting the speaker 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	10A
	Operational Temperature	-10° ~+60°
	Installation Size(WxHxD)	182mmx53mmx115mm
	Net Weight	0.5kg
	Fuse	Small fuse 10A(Red)

AUDIO	Maximum Output Power	50Wx4
	Speaker Impedance	4-8ohm
	Pre-output Level	4V

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

USB	USB Standard	USB1.1,USB2.0 Full Speed
	Audio Format	MP3/WMA/APE/FLAC/ AAC/M4A/WAV
	Front USB	Read/charge DC 5V=1A
	Rear USB	Charge DC 5V=2A

BLUETOOTH	Version	Bluetooth 5.0
	Frequency Range	2.402GHz-2.480GHz
	Communication Range	Line of sight approx.5m
	Profile	HPF1.6/A2DP/AVR/SPP



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