Nakamichi®

NA1620
AV Media Receiver
User Manual

Enjoy the Lifestyle of In-Car Entertainment

CONTENTS
Contents

Thank you for purchasing Nakamichi products.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

Overview the unit

Eject

Increase Volume

Decrease Volume

Reset

USB Socket

Aux In Socket

Mic

Hold: **Power**
Press: **Mute**

Home

MHL Socket

SD Card Socket

03:38PM

EQ DBSS XBASS

FM3 102.80 MHz

87.50 1
90.30 2
94.70 3
102.80 4
104.00 5
108.00 6

Nakamichi

MHL

Mute

Dimmer

List browser

Up/Down

Home

Confirm

Tune for radio station
Skip/search for track
Fast backward/forward playback

Radio band

play/Pause

DVD playback control

Power

Adjust the function

Volume level

Return/Exit

Setting menu

EQ mode

iX-BASS (booster function)

Dynamic bass boost sound

DIMMER FUNCTION

LIST FUNC

VOLUME

OK

SETTING

BAND XBS EQ
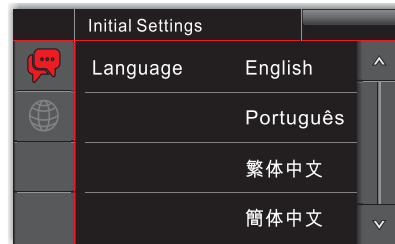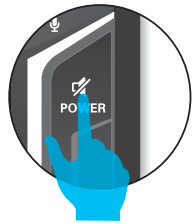
DVD AUDIO DVD MENU DVD TITLE DBSS

Nakamichi

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INTRODUCTIONS
Get started

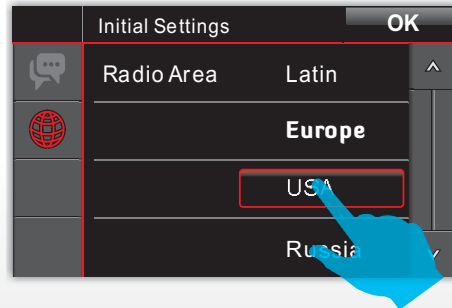Please select the suitable Language & country/region for this unit, otherwirse the unit can not work properly.

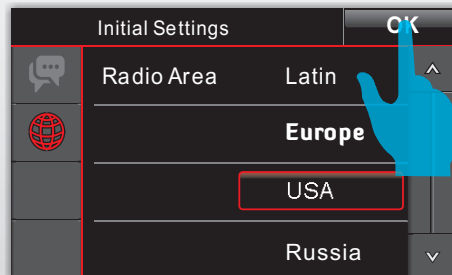1. Press this button to power On the unit, The available OSD are displayed.

Initial Settings	
Language	English
	Português
	繁体中文
	簡体中文

2. Tap to select suitable a language

Initial Settings	
Language	English
	Português
	繁体中文
	簡体中文

3. Tap to select suitable a country /region

Initial Settings	OK
Radio Area	Latin
	Europe
	USA
	Russia

4. Tap OK button to confirm

Initial Settings	OK
Radio Area	Latin
	Europe
	USA
	Russia

INTRODUCTIONS
Basic operations

Access to HOME
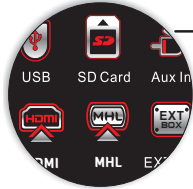
USB   SD Card   Aux In

HDMI   MHL   EXT

87.50   1
90.30   2
94.70   3
102.80   4
104.00   5
108.00   6

FM3   102.80   MHz

Tap to MUTE

03:38 PM

EQ DBSS XBASS

87.50   1
         2
         3
Mute   4
         5
         6

Access to CLOCK

2013 — FEB — 23

02   34   PM

Audio Control

03:38 PM

EQ DBSS XBASS

87.50   1
90.30   2
94.70   3
FM3   102.80   MHz   102.80   4
104.00   5
108.00   6

Adjust the dimmer level

03:38 PM

EQ DBSS XBASS

87.50   1
90.30   2
94.70   3
FM3   102.80   MHz   102.80   4
104.00   5
108.00   6

Access to Setup Menu

Setup

Audio   EQ   System

Information   Bluetooth   Screen
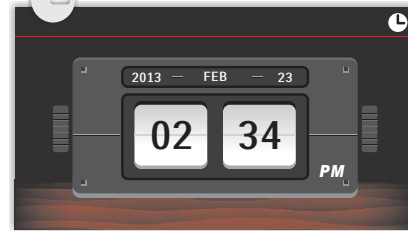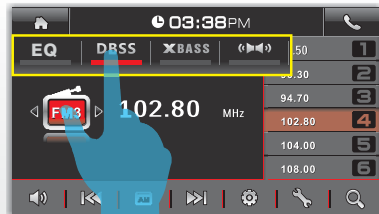
Access to system settings

System

General
SWC Learning
External Box
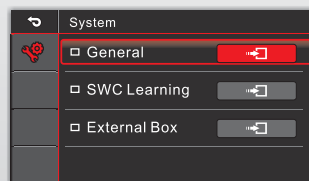
Access to General settings

General

Beep   OFF
Clock Mode   12H
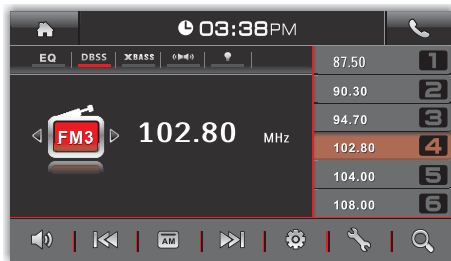Date / Time
Language   English
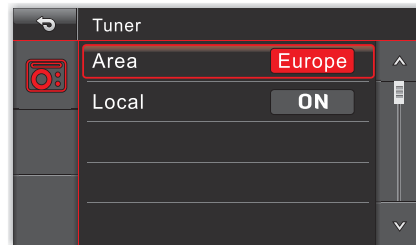
4
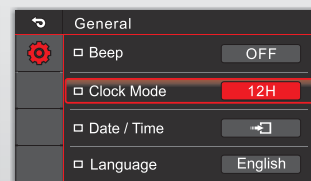
AV MEDIA
Listening to the radio

Tap on [icon] button on the TFT screen access into the tuner function.

Tap on [icon] button into the Tuner Function menu.

Press to AUTO SEEK
Press and hold to MANUAL SEEK

Tap BAND to change to FM or AM
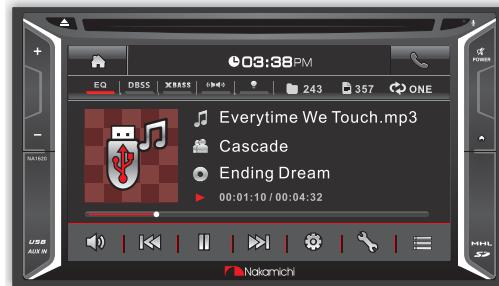

or

Tap to Auto Store

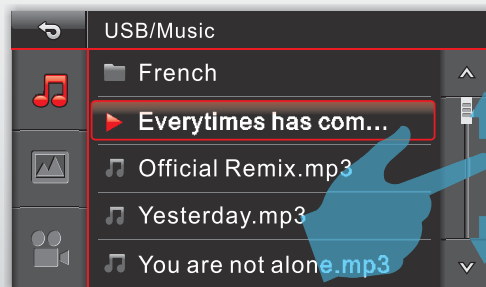Press and hold to Store stations

Preset List

AV MEDIA
Playing of Music

Tap UP/DOWN

Ending Dream
00:01:10 / 00:04:32

Tap PLAY/PAUSE

Ending Dream
00:01:10 / 00:04:32

03:38 PM

EQ DBSS XBASS 243 357 ONE

Everytime We Touch.mp3
Cascade
Ending Dream
00:01:10 / 00:04:32

USB
AUX IN

Nakamichi
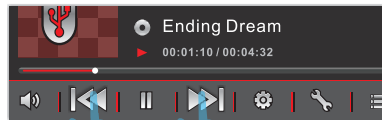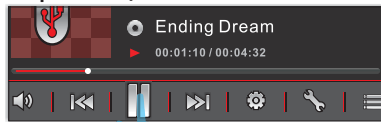
Adjust the different REPEAT mode

:10 / 00:04:32

Media	
Repeat	One
Random	OFF

USB/Music

French
Everytimes has com...
Official Remix.mp3
Yesterday.mp3
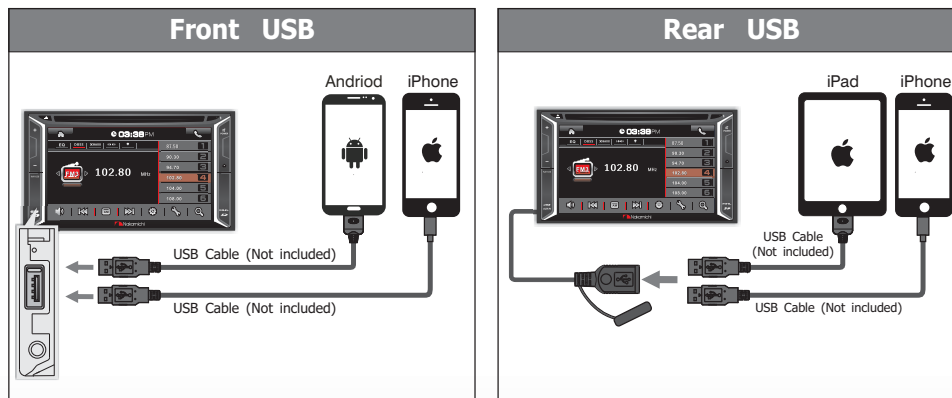You are not alone.mp3
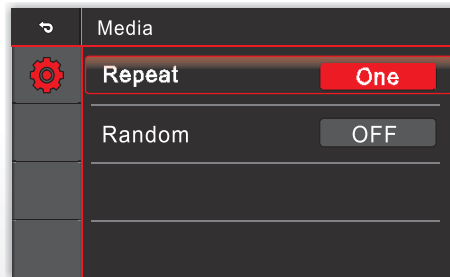
Quick Browser

AV MEDIA
Battery Charge Smart Phone

This unit can support:
- Front USB 1A charge your Smart Phone
- Rear USB 2.1A charge your Smart Phone or iPad

1. Open the USB Socket cover to left.
2. Insert the iPhone or Smart Phone device into the USB socket.
3. Once is recognized, the iPhone or Smart Phone begins to charge.

Front USB	Rear USB
Andriod iPhone	iPad iPhone
USB Cable (Not included)	USB Cable (Not included)
USB Cable (Not included)	USB Cable (Not included)

TIPS

1. The device only can charge Phones, but cannot play or decode music files stores inside the Smart Phones.

2. Connect the desire playback device USB to the USB socket, access to the HOME, then tap the [icon] to start playback mode.

AV MEDIA
Enjoying the movie
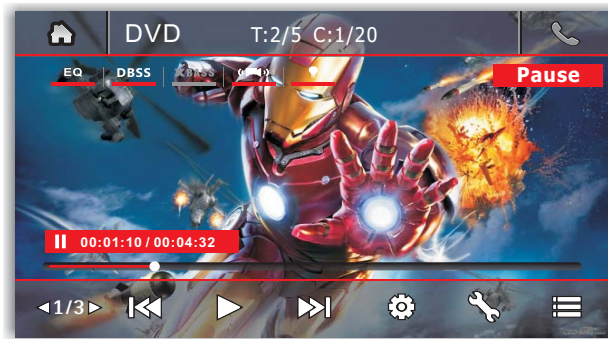
🏠	Home menu
1/3 2/3 3/3	Change function bar
⏮ ⏸/▶ ⏭	Previous, Pause /Play, Next
⚙	Media function menu.
🔧	access to system menu
☰	Top Menu or Browser
⏭⏮	Change the Audio language
💬	Select the audio type. (For DVD-VR:Select the audio channel)
🎵☰	Repeat playback mode
GOTO	Access into the search mode (DVD only).
4:3 16:9	Select aspect ratio

AV MEDIA
Viewing the photo
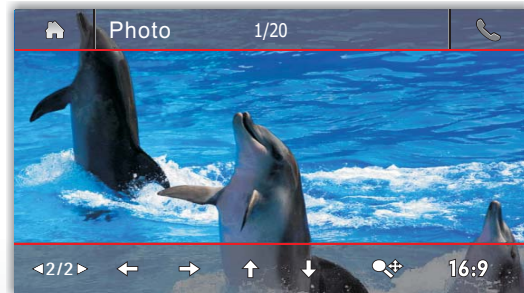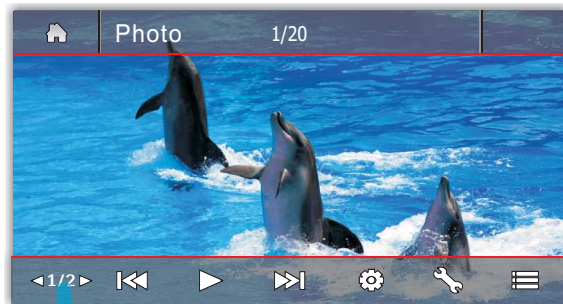
1/2 2/2	Change function bar
←	Move left the zooming frame
↑	Move up the zooming frame
↓	Move down the zooming frame
→	Move right the zooming frame
🔍	Zoom the photo

AUDIO ADJUSTMENT
Speaker/Subwoofer

Access to System Menu

Setup

Audio
EQ   System

Information   Bluetooth   Screen

Access to Audio Menu

Audio

Speaker	
Subwoofer	
XBASS	ON
DBSS	ON
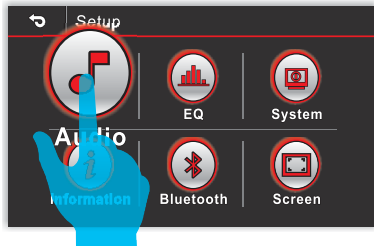
Speaker settings
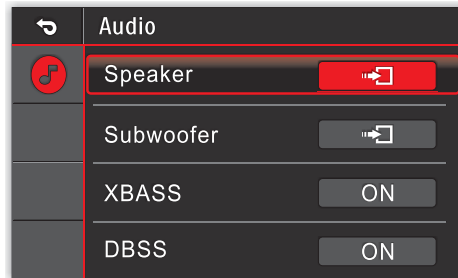
Speaker
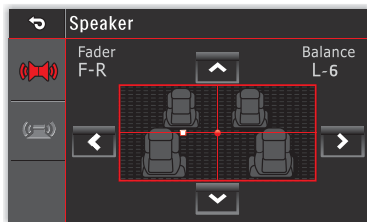
Fader
F-R

Balance
L-6

Adjust Fader/Balance Value From -12 to +12

Fader
F-10

Balance
R-12
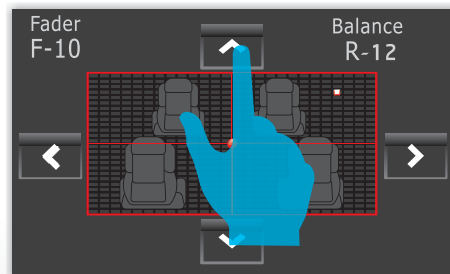
SUB-WOOFER settings

Touch ⏻ to turn On / Off the subwoofer

Tap on ➕ / ➖ buttons to adjust value of subwoofer level.

Subwoofer

12dB	Level	160Hz	LPF
	+		160Hz
6dB		120Hz	120Hz
	6dB		
0dB	–	80Hz	80Hz
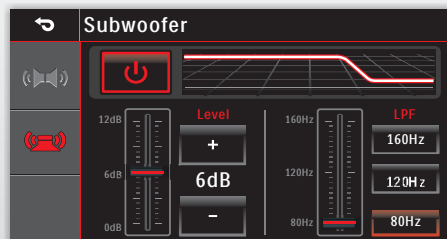
Low Pass Filter Transfer Function

160Hz

120Hz

80Hz

10

AUDIO ADJUSTMENT
Equalizer

6 Preset EQUALIZER
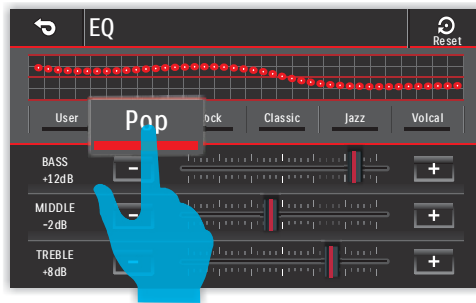
Tap on ✚/━ button to adjust the level:

- [BASS]: bass level range -15dB to +15dB.
- [MIDDLE]: middle level range -15dB to +15dB.
- [TREBLE]: treble level range -15dB to +15dB.

Resume to factory default value

11
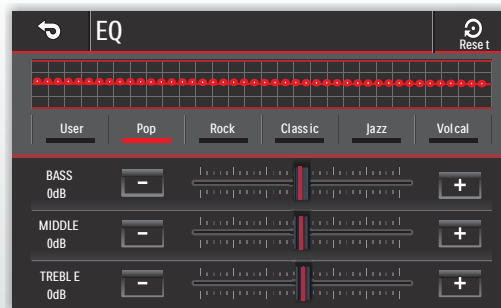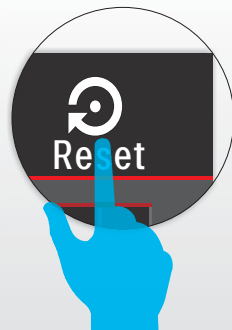
BLUETOOTH
Using bluetooth

How to pair & connect device ?

Pairing code "0000"
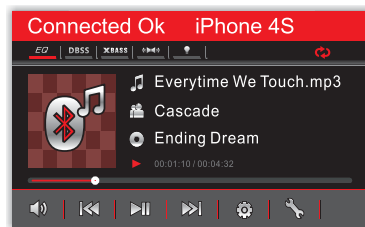
Connecting

Making A Call

Call Transfer

0860101872903
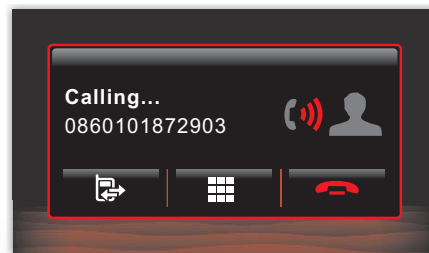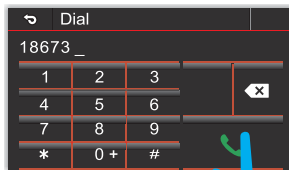
Call Transfer
to Cellphone !
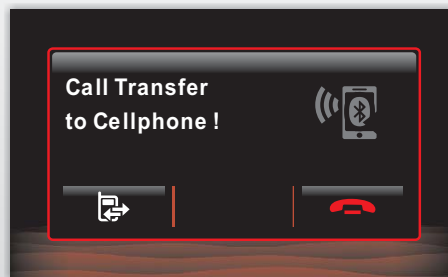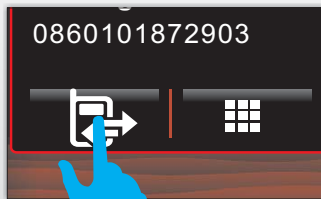
EXTERNAL BOX
Analog TV/DVBT Box

This unit can support connecting the External box: Analog TV Box / DVBT Box.

TIPS Before operating the External Box function, please go to Setup Menu to select proper type of the external box.

EXT BOX

EXT Box
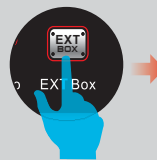
To enable the external box

Please access
Setup/System/External Box
for select proper type
of the external box

Access to Setup Menu

Setup

Audio   EQ   System

Information   Bluetooth   Screen

Access to System Menu

System

□ General

□ SWC Learning

□ External Box

To select proper type mode

External Box
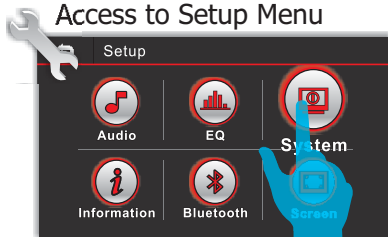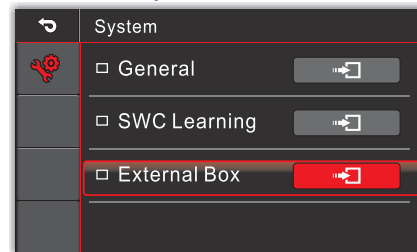
□ Analog TV Box

□ DVB-T

TIPS 1. Access to HOME, tap [TV] to active the Analog TV / DVBT function.
2. For the detailed operation of each mode, please refer the User Guide.

MIRROR PHONE
Smart Phone Mirroring-Car AV System

The AV media can support 2-Way control between your Smart Phone & Car AV system after the free CarLink APP is downloaded & installed.

How it works?

- Android Smart Phone need support HDMI or MHL Control can use mirroring function and 2-Way control
- iOS Smart Phone can support the mirroring function, but need to purchase another dedicated HDMI cable.

◆ Mirroring

Mirror your Smart Phone screen to the Car AV System smoothly.

◆ 2-Way Control

Once the smart phone screen has been mirrored on the Car AV System, connect the smart phone and Car AV System by CarLink, then you can control the smart phone on the Car AV System.

● How to download CarLink?

1. Search "**CarLink**" on Google Play or scan the QR code, then download and install it.
2. Login in **www.caradio.com.hk** to download /install CarLink.

TIPS
- The smart phone with Android version 4.0 or above can support & install the CarLink.
- When making the search on the Google Play, please include the quotation mark, "**CarLink**", to ensure a more precise & quicker search of our APP.

◆ 1-Way Control

Some Smart Phones are not using Android system. (eg: iOS mobile phone, etc.), only 1-Way control from Smart Phone to Car AV System is supported, if the Smart Phone does support HDMI or MHL out.

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MIRROR PHONE
Smart Phone Mirroring-Car AV System

◆ Mirroring Cable

Currently the smart phone supports 2 kinds of connector: MHL and HDMI. Please make sure to use the correct kind of connecting cable according to your Smart Phone.

TIPS

- **MHL** stands for Mobile High-Definition Link technology, which allows you to display your smartphone's content to a larger screen, all while charging your mobile device.

- **HDMI** (High-Definition Multimedia Interface) is a compact audio/video interface for transferring uncompressed video data and compressed or uncompressed digital audio data from an HDMI-compliant source device

◆ How to connect the Smart Phone & Car AV System

FRONT
MHL

REAR
HDMI

MIRROR PHONE
Smart Phone Mirroring-Car AV System

◆ About Connect Cable

Please choose from the following connecting methods or cables for your Smart Phone:

Android Smart Phone Connect Method

Galaxy S3   Galaxy S4   Galaxy Note 2

Android Phone with 11-Pin MHL

Connect To Phone
连接手机

Smartphone

Front panel MHL

Mirror Phone
MHL Cable 11P

✅ **MHL 11-Pin white cable is included.**

Galaxy S2   Galaxy Note   HTC One

Android Phone with 5-Pin MHL

Smartphone

Front panel MHL

Mirror Phone
MHL Cable 5P

✅ **MHL 5-Pin white cable is included.**

HDMI Connect Method

iPhone Adapter
Model: A1388/
A1422
www.apple.com

iPhone Adapter
Model:A1438
www.apple.com

iPhone
HDMI

Rear HDMI

iPhone Adapter

⚠ **HDMI Cable & Apple adaptor are not included.**

MIRROR PHONE
Smart Phone Mirroring-Car AV System

◆ Mirroring and 2-Way Control Supporting List

Brand	Phone Model	Mirror Interface	2-Way Control	1-Way Control
SAMSUNG	Note 2 GT-N7100	MHL (11 Pin)	YES	YES
	Note 4(N9108)	MHL (11 Pin)	YES	YES
	Galaxy S5	MHL (11 Pin)	YES	YES
	Galaxy GT-9210	MHL (11 Pin)	YES	YES
	Note 2 GT-N7105	MHL (11 Pin)	YES	YES
	Galaxy S4	MHL (11 Pin)	YES	YES
	Galaxy S3 GT-I9300	MHL (11 Pin)	YES	YES
	Galaxy S3 GT-I9305	MHL (11 Pin)	YES	YES
	Galaxy S2 GT-I9100	MHL (5 Pin)	YES	YES
	Galaxy Nexus I9250	MHL (5 Pin)	YES	YES
HTC	M8	MHL (5 Pin)	YES	YES
	HTC Sensation Z710e	MHL (5 Pin)	YES	YES
	HTC Sensation XE Z715e	MHL (5 Pin)	YES	YES
	HTC J Z321e	MHL (5 Pin)	YES	YES
	One X S720E	MHL (5 Pin)	YES	YES
	HTC One	MHL (5 Pin)	YES	YES
	HTC One XL	MHL (5 Pin)	YES	YES
Sony	XPERIA Arc Lt15i	HDMI	NO	YES
	Xperia arc S Lt18i	HDMI	NO	YES
	Xperia (LT26i)	HDMI	YES	YES
	Xperia V Lt25i	MHL (5 Pin)	YES	YES
LG	Optimus4xhd (LGP880)	MHL (5 Pin)	YES	YES
Huawei	Ascend D1 U9510e	MHL (5 Pin)	YES	YES
	Ascend P1 T9200	MHL (5 Pin)	YES	YES
Meizu	MX 2	MHL (5 Pin)	YES	YES
Xiaomi	Xiaomi Phone 2 M2	MHL (5 Pin)	YES	YES
iPhone	iPhone 4S	HDMI	NO	YES
	iPhone 5	HDMI	NO	YES
	iPhone5S	HDMI	NO	YES
	iPhone 6	HDMI	NO	YES
	iPhone 6+	HDMI	NO	YES

TIPS

- Each Smart Phone on this list may vary depending on the versions in different countries.
- This table is subject to change without prior notice.
- For those Smart Phones which are not on this list, please go to MHL official website to check if your Samrt Phone can support MHL or not: **http://www.mhlconsortium.org**
- Or please download our **"CarLink"** APP as on Pg1, open the APP and use this **"CarLink"** APP to check if your Smart Phone does support MHL or not.

Do I Have MHL?

Your phone may already have MHL enabled! Scan the QR code to find out!

Specifications

TFT Monitor section

Screen Size	:6.2 inches
Display Resolution	:800x480 dots
Contrast Ratio	:500

Disc player section

Disc System	:DVD/CD/VCD
Disc Diameter	:12cm
Frequency Response	:20Hz - 20kHz
Signal/Noise Ratio	:>75 dB
Total Harmonic Distortion	:Less than 0.3%
Channel Separation	:>55 dB
Video Signal Format	:NTSC/PAL
Video Output	:1+/-0.2V p-p
Decoding Format	:MP3/avi/WMA/MPG1/ MPEG2

Radio section

Frequency FM range	: 87.5 - 108.0 MHz
Frequency AM(MW) range	: 522-1620 KHz
Usable sensitivity	: 2 uV (FM)
	: 80 uV (AM)(MW)

USB interface section

USB Standard	:USB 2.0 Full Speed
File System	:FAT 16/32
Maximum Current	:DC 5V⎓1A
D/A Converter	:24Bit
Decoding Format	:MP3/avi/WMA/MPG1/ MPEG2

Memory Card section

Memory Cards	:SD/SDHC
Maximum Capacity	:32G
Decoding Format	:MP3/avi/WMA/MPG1/ MPEG2

Video section

Color System of External Video Input	: NTSC/PAL/SCEAM
External Video Input (RCA/3.5m Jack)	: 1 Vp-p /75Ω

Audio section

Maximum Power	: 50Wx4
Continuous Power Output (RMS)	: 22 Wx4
Preout Level (V)	: 2 V/10kΩ
Preout Impedance	: ≤ 600Ω
Speaker Impedance	: 4-8 Ω
External Audio Input Level (RCA)	: 1 V/10KΩ
External Audio Input Level (3.5mm Jack)	: 600mv/10KΩ (<1%THD)

Bluetooth section

Communication System	: Bluetooth Standard version 3.0
Output	: Bluetooth Standard Power Class 2
Maximum Communication Range	: Approx. 5meters
Frequency Band	: 2.4 GHz
Compatible Bluetooth Porfiles	: HFP/HSP/A2DP/AVRCP
Supported Codecs	: SBC (Sub Band Codec)

Smart Phone connection section

Input Interface	: MHL 2.0 Compatible HDMI 1.4 Compatible
Video Source	: Max 1280x720p
Battery Charging Current	: 1000mA Max (Mirror USB)
DC Power	: 12V/0.6A

General

Operating Voltage	: 14.4V(10.5-16 V)
Dimension(WxHxD)	: 178x102x172mm
Operational Temperature Range	: -10° C∼+60° C
Weight	: 1.9 kg

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Design and specifications are subject to change
without notice