

## **CDR5620**

## 6.2" 2 DIN CAPACITIVE TOUCH SCREEN MULTIMEDIA DVD RECEIVER

AM-FM-RDS USB/microSD Multimedia Player Front & Rear Camera Inputs

# INSTALLATION & OWNER'S MANUAL





## JENSEN CDR5620 INFORMATION

#### **Copyright and Trademark**

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## FCC Compliance

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, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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.

### Safety Notice

Video / movie playback will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash video / movie functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most jurisdictions for the driver to view video while the vehicle is in motion.



The *SAFETY NOTICE* is reminder to drive responsibly and safely while using your mobile phone device, or any APP's that are compatible with this unit.

it is highly recommended that your JENSEN CDR5620 is installed by a professional installer or an authorized dealer.

This product is only for use in vehicles with 12VDC negative ground only.

#### To prevent damage or injury:

• Make sure to ground the unit securely to the vehicle chassis ground.

• Do not remove the top or bottom covers of the unit.

• Do not install the unit in a spot exposed to direct sunlight or excessive heat or the possibility of water splashing.

• Do not subject the unit to excessive shock.

• When replacing a fuse, only use a new one with the correct rating. Using a fuse with the wrong rating may cause the unit to malfunction.

• To prevent short circuits when replacing a fuse, disconnect the wiring harness first.

• Use only the provided hardware and wire harness.

If you experience problems during installation, consult your nearest JENSEN dealer.
If the unit malfunctions, reset the unit as described. If the problem still persists,

consult your nearest JENSEN dealer or call tech assistance @ 1-888-921-4088.

• To clean the monitor, wipe only with a dry silicone cloth or soft cloth. Do not use a stiff cloth, or solvents such as paint thinner and alcohol. They can scratch the surface of the panel and/or remove the printing.

• When the temperature of the unit falls (as in winter), the liquid crystal inside the screen will become darker than usual. Normal brightness will return after the unit is in use for a while.

• When extending the ignition, battery or ground wiring, make sure to use automotive-grade wiring with an a minimum AWG 16 or more to prevent voltage drops.

• Do not touch the liquid crystal fluid if the LCD is damaged or broken. The liquid crystal fluid may be hazardous to your health or fatal. If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

## JENSEN CDR5620 INSTALLATION

#### Preparation

#### Please read and understand entire manual before installation.

Consult a qualified technician for detailed instructions or installation assistance.

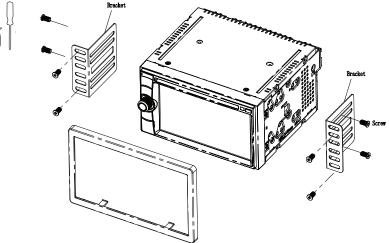
#### **Before You Start**

- Disconnect negative battery terminal.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

#### **Getting Started**

- Unpack unit from its protective packaging.
- Connect vehicle wiring harness and antenna to this receivers harness. See wiring instructions. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation dash kit and/or wiring harness adapter (sold separately).
- Reconnect battery negative terminal.
- Test for correct operation and secure back into dashboard.
- Snap trim ring into place if needed.

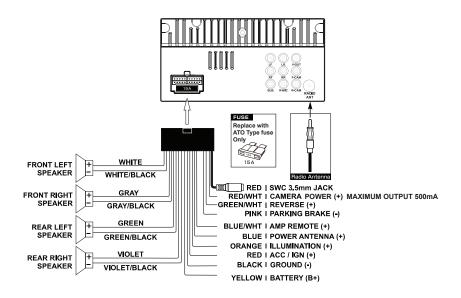
#### Tools Required



#### **Typical ISO-DIN Installation**

## JENSEN CDR5620 INSTALLATION

## Input / Output Wiring Diagram



## 👻 Tips

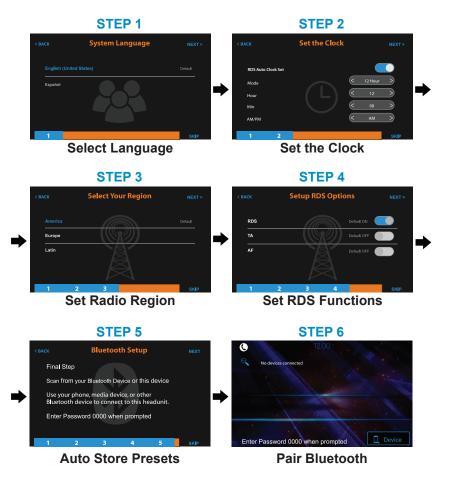
When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage. The unit uses (1) 15 amp ATO blade-type fuse located on the back of the unit.

#### Front / Rear camera inputs

Up to two cameras (not included) can be used. We recommend JENSEN Part # BUCAM200J for front camera and BUCAM300AJ or BUCAM400AJ for rear camera.

## Getting Started - First Time Setup Wizard

The first time the unit is powered ON, the *SETUP WIZARD* will help guide you through the main radio system settings and connect to your Bluetooth Device.



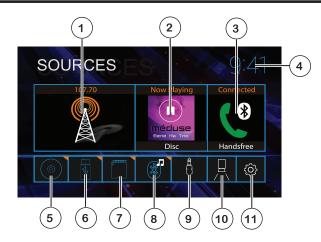
#### Select JENSEN BT then enter PASSCODE 0000 on your Device

<sup>OC</sup> Tips The SETUP WIZARD can be skipped at any time.
To rerun the SETUP WIZARD again, long press RESET button with a paperclip for 3 seconds, or go to ABOUT section in SETUP, select SETUP WIZARD

## Main Control Locations

	SOURCES 9.4 107.70 Now Playing Connected Dic Connected Finduse Dic Dic Finduse Fin
Voice Control 🕦	Press to activate the voice assistant feature.
Source Menu (2)	Press SRC to access available modes: Radio, Bluetooth Phone, Bluetooth Audio, Disc, USB, SD Card, Auxiliary Input, Rear Camera and Settings.
Power (3)	Press and hold to turn the unit off. Press any button to turn the unit on.
Volume ③	Rotate to increase or decrease volume levels.
Mute ③	Press to silence the audio. Press again to return to the previously selected volume. Rotating the volume knob while muted will also cancel the mute function.
Reset ④	To reset all settings to the factory default, use a paper clip to press the reset button (located behind the door on the front panel) for three seconds.
Auxiliary Input 5	Connect external audio/video devices to the RCA auxiliary input located behind the door on the front panel.
microSD Card 6	Insert a microSD card into the microSD slot (located behind the door on the front panel) to play MP3 audio files or view XviD or MP4 video files or JPG photos.
USB (7)	Connect a USB device to play MP3 audio files or view XviD or MP4 video files or JPG photos, or use as a charging port to charge your device.
Eject ⑧	Press to eject a disc from the disc slot.

## Main Menu Operation



Radio 1	Press to access Radio.	
Media Player 2	Press to access Media Player.	
BT Handfree Calling 3	Press to access BT handsfree calling.	
Standby Mode ④	Press to put the unit in standby mode. Press anywhere on the screen to return to the previous mode.	
Disc 5	Press to access Disc.	
USB (6)	Press to access USB.	
microSD Card $(7)$	Press to access microSD Card.	
BT Music (8)	Press to access BT Music.	
Auxiliary Input (9)	Press to access Auxiliary Input.	
Camera 10	Press to access the Front or Rear Camera.	
Settings Menu (11)	Press to access Settings menu.	

## Settings Menu

From the Main Menu, press the gear icon to access the Settings menu and adjust General, Clock, Audio, Bluetooth, Display or About options.



#### General:

- Language Select English or Spanish.
- Tuner Region Select America, Europe or Latin America.
- Beep Enable or disable the audible beep.
- Rear Camera Delay- Select desired delay for rear camera: .5 seconds, 2 seconds, 3 seconds or Off (no delay).
- · Reverse Trigger Select On or Off for the reverse trigger feature.
- Rear Camera Image Select Normal or 180 display of the rear camera image.

#### Clock:

- · Mode Select between 12-hour and 24-hour clock display.
- Hour Set the hour for the clock display.
- Min Set the minute for the clock display.
- AM/PM Set AM or PM for the clock display.

#### Audio:

- · Camera Audio Turn the rear camera audio On or Off.
- Audio Level Set audio levels (-7 to 7) for each audio source: Tuner, USB, SD Card and Bluetooth Handsfree.

#### Bluetooth:

- · Bluetooth Turn Bluetooth signal on or off.
- · Auto Connect Turn auto connect feature on or off.
- · Auto Answer Turn auto answer feature on or off.
- PIN Change the Bluetooth PIN (default is OOOO).
- Name Displays the device name (JENSEN BT).

#### Display:

- Illumination Trigger Turn the illumination trigger On or Off.
- Brightness Day Adjust daytime brightness level (1 to 10).
- Gamma Day Adjust daytime gamma level (-4 to 4).
- Wallpaper Select one of four available wallpaper options.
- Contrast Adjust contrast level (-4 to 4).
- Hue Adjust hue (-4 to 4).

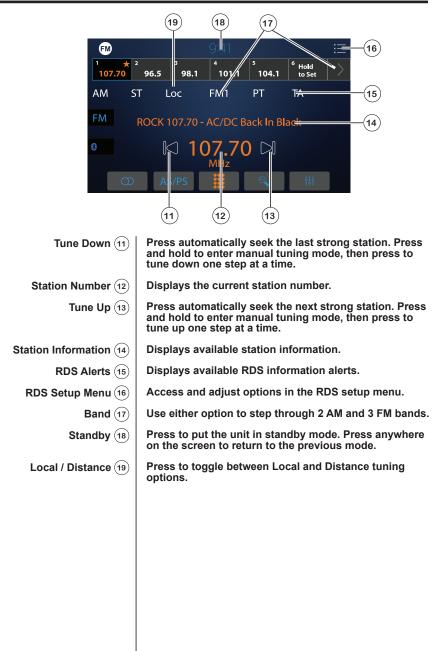
#### About:

- Screen Calibration Press to calibrate the touch screen.
- Version Press to display version numbers.
- System Reset Press to restore unit to default factory settings.
- Setup WIzard Press to initiate the system Setup Wizard.
- EULA Select On or Off.

## **Tuner Operation**

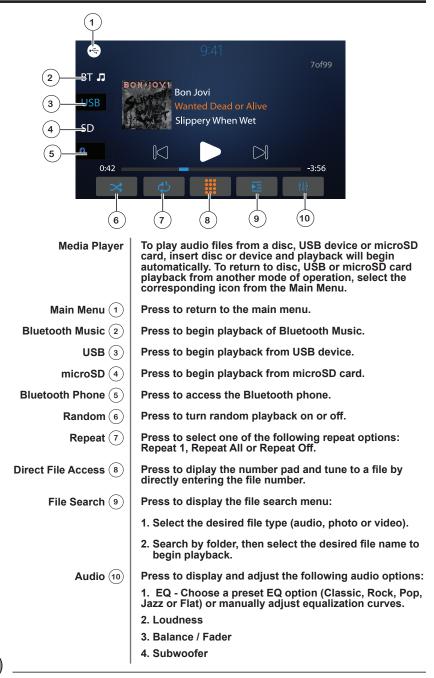
1						
EM	(	9:41			Ξ	
2 107.70	<sup>2</sup> <sup>3</sup> 96.5 98.1	₄ 101.1	₅ 104.1	<sup>6</sup> Hold to Set	$\left \right\rangle$	
(3)— <u>A</u> M S	T Loc F	FM1	РТ	ТА		
(4)M	ROCK 107.70 - A		ack In Pl	ack		
				dCK		
3	<sup>5</sup>					
G	AS/PS		e.	ėlė į		
6	(7)	8	9	(10)		
Main Menu 🕦	Press to retur	n to the	e main r	nenu.		
Preset Stations 2	Press any pre					
	preset station station as a p		and ho	ld to sav	ve the	current
AM Bands (3)	Press to selec					
	Note: The 6 p stored in the			will refle	ect the	6 stations
FM Bands (4)	Press to selec					
	Note: The 6 p stored in the			will refle	ect the	6 stations
Bluetooth Phone 5	Press to acce	ss the l	Bluetoo	th phone	e.	
Stereo / Mono 6 Press to toggle between Stereo and Mono tuning. The feature can also be adjusted using the ST/MONO icor			tuning. This			
	under the pre	so be a set but	ajustea tons.	using ti	ne ST	MONO Icon
AS/PS (7)						e current band
	and listen to e scanning and	listen f	to the c	urrent st	ation.	Press and
	hold to autom stations in the					strongest
Direct Station Access (8)	Press to dipla directly enteri					o a station by
Station Search (9)	Press to sear	•				
Audio (10)				•		audio options:
	•		-		•	ic, Rock, Pop,
	Jazz or Flat) o					
	2. Loudness 3. Balance / F	ader				
	4. Subwoofer					
10)						

## **Tuner Operation**



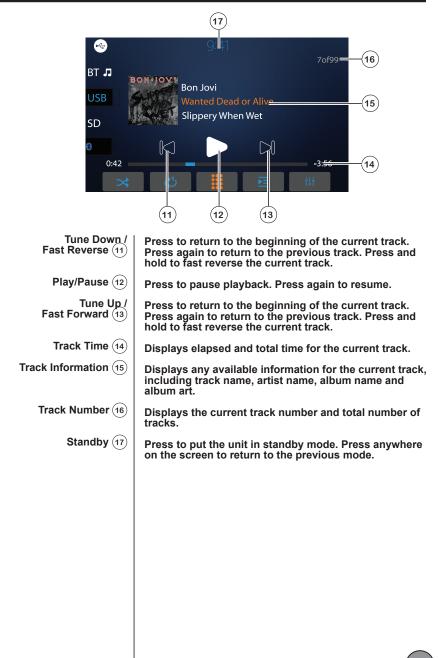
11

### Media Player Operation





## Media Player Operation



#### Media Compatibility

	MP3				
File System	FAT	FAT 12	X		
	FAI	FAT 16/FAT 32	1		
File	.m	.mp3/.MP3/.Mp3/.mP3			
Extension		X			
		1			
MPEG Format		MPEG 2			
		√			
		32/44.1/48kHz			
Sampling Frequency		12/16/22.05/24kHz			
		8/11.025/12kHz			
		32 ~ 320kbps			
Bitrate		8 ~ 160kbps			
	MPEG 2.5		8 ~ 160kbps		
	Directory Depth File Name Length		Directory Depth		Unlimited
			32 bytes		
		Total File Number	2000 files		
Other	Т	200 folders			
Information	File	2000 files			
		ver.1.x	1		
	MP3 ID3 TAG	ver.2.x	4		
		Title, Artist, Album	✓		

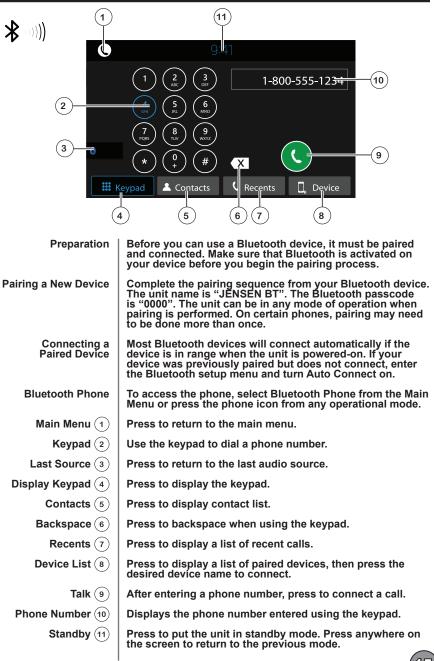
Notes:

- For USB mode, it is not possible to view JPG files on the in-dash monitor while the vehicle is moving. This is a safety feature to prevent driver distraction.
  The JPG image viewer function will only operate when vehicle is in park and the parking brake
- is engaged.
- Due to ongoing technological advancement, some USB flash drives and/or microSD cards may be incompatible with this unit.

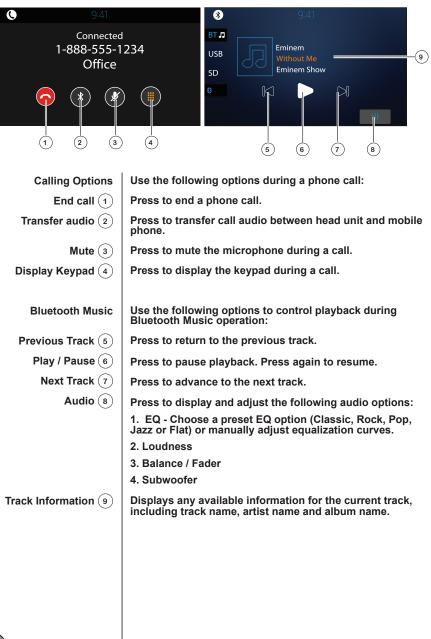
Media Compatibility	The following types of files are not compatible: • MP3 PR0 format, MP3 playlists • RMP format • WAV format • WMV format • AAC, protected AAC, M4A format
Playback Order	MP3 playback sequence begins in the root folder of the USB flash drive or microSD card. Any folders that do not include MP3/JPG files are skipped.
Compatible Recording Formats	<ul> <li>ISO9660 standards:</li> <li>Maximum nested folder depth is 8 (including the root folder).</li> <li>Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and "_" (underscore). Some characters may not be displayed correctly, depending on the character type.</li> </ul>
Notes	Some files may not play, depending on sampling rates and bit rates. For best results, use the following settings when ripping MP3 files: 128kbps or higher constant bit rate; 44.1kHz or higher sampling frequency



#### **Bluetooth - Handsfree Operation**



#### Media Player - USB



#### Rear Camera

Connect an optional rear camera to the Rear Camera inputs (Yellow RCA connector for video and Black RCA connector for audio). Refer to the wiring diagram for details.

Manual selection - Touch the Camera icon from the Main Menu. Touch the camera icon on the top left area on the screen to exit camera mode.

**Note**: The unit will automatically select REAR camera mode when connected to the reverse circuit.

Note: External video output is not active when using the rear camera input.

Front Camera

Connect an optional front camera to the Front Camera inputs (Yellow RCA connector for video; there is no audio connection for a front camera. Refer to the wiring diagram for details.

To access the front camera, touch the Camera icon in the Main Menu. The unit displays rear camera by default.

Press the Reverse Camera icon in the top right corner to switch to front camera view.

Auxiliary Input

Connect an optional audio source into the auxiliary input behind the door on the front panel.

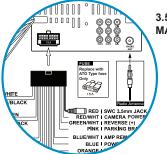
Select the auxiliary input icon from the Main Menu to listen to audio.

Adjust volume on the external audio source as needed (if connected to the headphone output of the device).

#### **Steering Wheel Controls**

A third-party adapter must be used in order for the CDR5620 to be compatible with any OEM steering wheel controls.

The CDR5620 has a built-in 3.5mm SWC interface that compatible with many popular 3rd party SWC control modules, such as PAC, METRA, and others.



3.5mm SWC port located on the rear of the unit, on the MAIN POWER I/O Harness

The following controls are available for most vehicles.

Volume + Volume -Mute Seek / Track + Seek / Track -Band Mode BT Talk BT End Call

Note: Not all OE steering wheel functions may be supported by the CDR5620

We recommend the PAC SWI-RC .

1. Set "Radio Select Switch". Set the SWI-RC to position 7 - "Pioneer/Other/Sony".

2. To program, use the Pioneer/Sony/Other radio function mapping order.

3. When programming the SWI-RC, if a function is not supported (or not desired), then the function MUST be skipped as per the PAC SWI-RC instructions.

4. The SWC function MUST be programmed in the correct order per the PAC SWI-RC radio function mapping order instructions.

### Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Namsung America Inc. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Namsung America Inc. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

#### Who is covered?

This warranty is extended to the original retail purchaser for products purchased from an authorized Jensen dealer and used in the U.S.A.

#### What is covered?

This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product. Specific license conditions and copyright notices for the software can be found via www.jensenmobile.com

#### What to do?

 Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.
 If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.
 Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.

4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

- Call us toll-free at 1-888-921-4088
- · E-mail us at cs@dualav.com

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.



## JENSEN CDR5620 GENERAL

## **Trouble Shooting**

	General	
PROBLEM	CAUSE	ACTION
Unit will not turn on (no power)	Red and/or Yellow wire not connected or incorrect voltage	Check connections for proper voltage (11~16VDC)
	Black wire not connected	Check ground connection
	Blown fuse on unit or vehicle	Replace fuse(s)
Unit has power (but no sound)	Speaker wires not connected	Check all connections, including speakers
	Speakers are blown	Replace speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
	Yellow or red wire touching chassis ground	Check for pinched or shorted wires
Unit blows fuse(s)	Speaker wires touching chassis ground	Check for pinched or shorted wires
	Incorrect fuse rating	Use fuse with correct rating
Unit has audio (but no video)	Parking brake safety circuit not connected Parking brake not applied	Check connections at parking brake Apply parking brake as described in manual
	Video Playback Codec is not supported	See Media Codec Support section

## **Customer Support**

1-888-921-4088

(Monday-Friday, 9AM-5PM EST) Visit https://www.jensenmobile.com

For Your Records	Please keep your original sales receipt and be prepared to provide this receipt in the event you require service, as your original receipt is considered the best proof of purchase and indicates the date you purchased your JENSEN product.
Dealer Info	Dealer Name:
	Dealer Phone:
	Purchase Date:



## Specifications

#### FM Tuner

US Tuning Range:	87.5MHz-107.9MHz
EU Tuning Range:	87.50MHz-108.00MHz
Usable Sensitivity:	8.5dBf
50dB Quieting Sensitivity:	10dBf
Stereo Separation@ 1kHz:	30dB
Frequency Response:	30Hz-13kHz
AM Tuner	
Tuning Range:	530kHz-1710kHz
Usable Sensitivity:	<42dBu
Frequency Response:	30Hz-2.2kHz
Bluetooth	
Version:	4.1 + EDR
Profiles:	HFP / A2DP / PBAP
Range:	Up to 33ft / 10m
Monitor	
Brightness:	400 nit
TFT Resolution:	800x480
TFT Backlighting:	LED
Touch Screen Type:	Resistive
General	Specifications
Operation Voltage Input:	11~16VDC
USB 1 Charge Output:	1.0
USB 2 Charge Output:	1.0A
Speaker Nominal Impedance:	4~8 ohms
Line Output Voltage:	4 Volts RMS
Dimensions:	5" x 7" x 4" (126D x 178W x 101H mm)



#### **CEA-2006 Power Standard Specifications**

(reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

Power Output: 16 Watts RMS x 4 channels at 4 ohms and ≤1% THD+N Signal to Noise Ratio: 80dBA (reference: 1 watt into 4 ohms)

Design and specifications subject to change without notice.

## CDR5620 INSTALLATION & OWNER'S MANUAL



Designed and Engineered in USA



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