

# KW-NT800HDT

Bluetooth® Wireless Technology/HD Radio™ with TTN + DVD/CD/USB/SD Navigation with 7-inch Touch Panel Monitor

Made for iPod iPhone

# KW-NT500HDT

Bluetooth® Wireless Technology/HD Radio™ with TTN + DVD/CD/USB/SD Navigation with 6.1-inch Touch Panel Monitor

Variable Color Illumination

Touch Panel

7" WVGA

6.1" WVGA



- High-Speed LSI
- 8GB SSD
- Voice Guidance (English/Spanish/French)
- Text-to-Speech
- Over 8 Million P.O.I.
- HD Radio Traffic & News Service
- Multiple Destination Search (POI/Address/Favorites/etc.)
- Junction View
- 3D Viewing (3D Footprint, 3D Scroll, 3D Landmark)
- Digital Signal Processor with Time Alignment
- Sound Setting (13EQ/Crossover)

- iHeartRadio
- HD Radio
- SiriusXM READY
- works with PANDORA
- Bluetooth
- SD (KW-NT800HDT)
- Micro SD (KW-NT500HDT)
- TotalTraffic CONNECT
- TotalTraffic HD NETWORK
- NAVTEQ MAPS
- NUANCE
- NaviBridge
- COMPACT DISC DIGITAL AUDIO TEXT
- DVD VIDEO
- DOLBY DIGITAL

- GIGA MP3 MULTI (MP3/WMA/WAV)
- 20W x 4 RMS
- iTunes Tagging
- Multilingual Display
- External Mode for iPod/iPhone
- iPod/iPhone 2-Way Control for iPod/iPhone
- USB High Speed (1.0A Support)
- Drive Change Mode
- Front AUX (KW-NT500HDT)

Recommended Features

- Built-in Bluetooth® Wireless Technology
- Phone Book Access Profile
- Multiple Phone Pairing (Up to 5 Phones)
- Audio Streaming & Control
- Built-in HD Radio Tuner
- SiriusXM Ready
- Rear-View Camera Ready
- Steering Wheel Remote Ready
- 3 Pre-Output (Front+Rear+Subwoofer)

**HD Radio®**  
This HD Radio receiver enables:

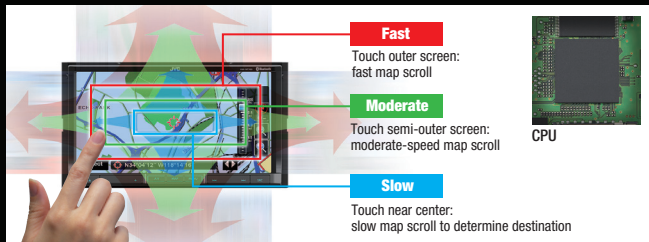
- PSD
- HD2/HD3
- Digital Sound
- iTunes Tagging
- Artist Experience
- Channel Guide
- Digital Traffic
- Instant Info
- Bookmark

## Quick Response and Operation

High Speed CPU, 8G Solid State Drive (SSD), and JVC-original S3 format data compression all work to create a speedy response for navigation.

### High-Speed Data Processing LSI

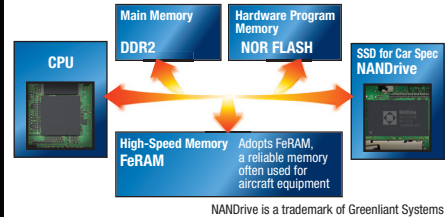
New LSI processes data 2 x faster than previous model.



### 8GB Solid State Drive (SSD)

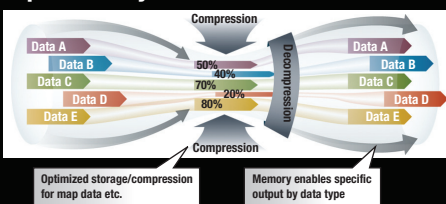
SSD provides instant startup and quick map display, with high-durability for the in-car environment.

Total system structure consisting of SSD, CPU, and various memories enable speedy processing.



### S3 Format Data Compression System

JVC-original efficient compression provides speedy response for a large database.

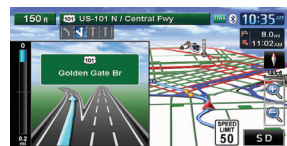


<Navigation>

## Clear and Dynamic Map Display Features

**\*Multiple Map Display**

Map display options such as Junction View and 3D View are also available.



Junction View



3D Map Display



3D Landmark



Magnified View



3D Scroll & 3D Footprint



Improved Direct Scale

**\*Clear Map Display**

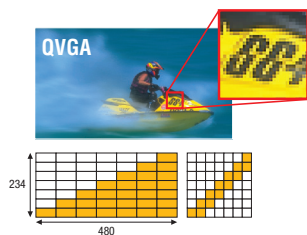
The display is optimized for WVGA, with clear map images and easy-to-read map text.



Clear Map Text

**\*WVGA Monitor**

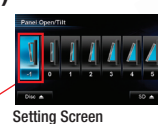
The 6.1-inch/7-inch WVGA LCD panel features 4 times more pixels than the QVGA, offering comfortable viewing with clear and bright display for images, GUI, and especially maps.



**\*2-Way Tilt (KW-NT800HDT)**

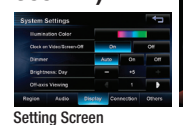
The screen can be tilted forward or backward for best view.

Reverse Tilt



**\*Off-Axis Viewing (KW-NT500HDT)**

This function provides higher contrast for better viewing when the unit is installed at an angle.



## Multiple Search Function

**\*POI Search**

Over 8 million POI data from NAVTEQ are available for POI Search.

**\*HD Radio (Navigation)**



**• Traffic & Travel Information**

Obtain real-time traffic, local weather information etc. over HD Radio.



**• Total Traffic Connect**

The same information is available via 3G network, even outside HD Radio coverage area.



**\*Multiple Destination Search Functions:**

Various options are available for destination search.

- Search by POI (Name/Vicinity/Phone Number)
- Search by Address
- Search by Coordinates
- Search by Previous
- Search by Favorites
- Search Home

**\*Destination Memory:**

The unit can memorize destinations and via points.

- 300 Favorite Destinations
- Last 50 Destinations

**\*Multiple Route Options:**

Search the route according to your preference.

- Fastest/Shortest/Freeway Route
- Avoid Freeway/Ferry
- 4 via Points

**\*NaviBridge (iPhone App)**

When you connect your iPhone with the "NaviBridge" application installed to the system, you can manipulate the map, search and set destinations on the system using the iPhone screen.



**• iPhone as Navigation's Remote Control**

The app lets you control the unit's navigation screen from your iPhone.



**• Destination Transfer from NaviBridge**

Destinations searched on your iPhone can be transferred to the headunit.





<Audio>

**Internet Radio / HD Radio**

**\*iHeartRadio Link for JVC**

Listen to iHeartRadio via the iPod/iPhone app, with control and album artwork available on the headunit via USB connection.



**\*Pandora Control for iPhone**

Enjoy Pandora Radio from your iPhone with smooth control on the headunit.



**\*Built-in HD Radio – iTunes Tagging, Artist Experience, Bookmark, Channel Guide, and Instant Info.**

Enjoy a multitude of HD Radio programs in premium digital sound, without external tuners. FM radio sounds equivalent to CD quality, and AM as good as normal FM. Artist Experience displays song/album title and artwork if available from the radio station. Additionally, iTunes Tagging lets you “tag” songs you hear on HD Radio for easy purchase at the iTunes Music Store. The new Bookmark feature with QR code displays song information without iPod/iPhone connection. To switch stations, just press the “List” key for the Channel Guide showing a list of live radio programs with frequency and station name.

**How It Works: Bookmark**

- 1** Press “Bookmark Song” key on headunit.
- 2** Displays Bookmark Info screen with QR code.
- 3** Capture QR code with QR code reader app.
- 4** Read QR code onto smartphone.
- 5** Song info available on smartphone.

The receivers feature dual HD Radio tuners, letting you access navigation data such as traffic updates and weather conditions, while you enjoy HD Radio at the same time.

**Clear and Realistic Sound (DSP)**

**\*Customize the Sound for Your Car Environment**

JVC-original high-performance Digital Signal Processor (DSP) is designed to create optimal sound onboard. Fine-tune the sound with Time Alignment, crossover setting, 13-Band EQ, and other features to best fit your car.

**Time Alignment: User Customization**

**Position: Preset**  
Optimize the sound field for position

**Position: Customize**  
Fine-tune the preset for your position

Custom setting available for users with particular taste

- 1** Set vehicle type
- 2** Set listening position
- 3** Can be customized

**Equalizer: SD**

Dynamic Bass Boost

Vocal Boost

Vibrant

User 1 User 2

User 3 User 4

Customize

**Customize Equalizer**

Reset Save

**Volume Adjust: SD**

Reset All

**Preset EQ**

6 presets + 4 user settings

**13-Band EQ**

Fine-tune the preset to your taste

**Sound Source Level Adjust**

Set volume by source

**Crossover**

High-pass for front/rear, and low-pass for subwoofer can be controlled separately

**Audio Effect**

Space Enhancer: Set listening space size

Sound Stage Elevation: Elevate sound image of lower speakers without the tweeter

Road Noise Compensation: Adjust sound according to car speed

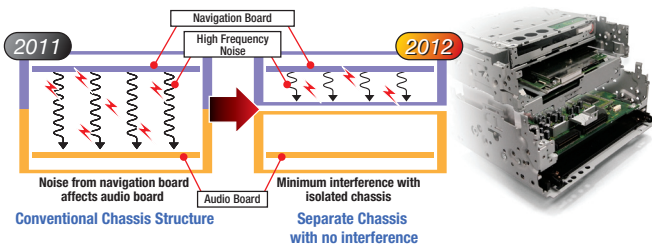
**Audio Contrast/Digital Track Expander**

Audio Contrast: Adjust sound sharpness for more clarity

Digital Track Expander: Compensate high-frequency for clear sound

**\*Separate Structure for Amplifier and DVD/Nav**

The amplifier and DVD/navigation are housed in separate chassis to prevent interference, offering clear, rich sound with minimum noise.



**\*High-Grade Parts Used for Quality Sound**

Select parts support clear sound and high power for quality audio performance.



**Bluetooth® Compatible Functions**

- Phone Book Access Profile (PBAP 1.0)**  
No need to transfer your phone book. Simply call by direct access to the phone book on your iPhone or mobile phone.  
\* Only available on Phone Book Access Profile compatible mobile phones.
- Phone Book Transfer**  
You can transfer 500 numbers to the headunit.
- Alphabetical Search for Phone Book**  
Easy alphabetical search on a "QWERTY" keyboard even with a large phonebook.
- Audio Streaming & Control (A2DP1.2, AVRCP1.3)**  
Enjoy streamed music plus control from the headunit.
- Internet Radio via Smartphone (A2DP1.2, AVRCP1.3)**  
Listen to internet radio programs via your smartphone app, with control available from the headunit.
- Hands-Free Calls**  
Receive/reject calls or voice dial while keeping your hands on the wheel.
- Multiple Phone Pairing**  
You can pair and easily switch between up to 5 phones.

*So Many Features!*



Wired MIC included

**External Mode for iPod/iPhone**

You can listen to the sound of iPod/iPhone apps, such as games, web radio, and YouTube, with high current power supply.



**USB Connection (G3 iPod/iPhone)**

Enjoy digital audio/video from your iPod, iPhone, or USB devices with full-speed 1A USB port providing playback and charging.

\*1 USB playback not supported for NTFS formatted devices. When partitions are created, only the first partition can be read.  
\*2 For iPod/iPhone video playback, KS-U49 cables are required. Please visit [www.3jvckenwood.com/english/car/](http://www.3jvckenwood.com/english/car/) for iPod/iPhone compatibility details.



**SDHC (KW-NT800HDT) / microSDHC (KW-NT500HDT) Compatible**

The units are compatible with SDHC/microSDHC cards for audio and video playback.

**USB Hub Compatible**

The units are compatible with USB hub for expanded connection.

**Navigation Feature Highlights**

- On-Board SSD Navigation System (Whole map coverage preinstalled)
- High-Sensitivity WAAS Capable GPS • Coverage: United States, Alaska, Hawaii, Canada, and Puerto Rico
- Voice Guidance (English/Spanish/French) • Text-to-Speech (English/Spanish/French)
- NaviBridge (iPhone App) • POI (over 8 million: NAVTEQ) • HD Total Traffic Network+
- Multiple Destination Search Functions:  
Search by POI (Category/Name/Vicinity/Phone Number) / Search by Address / Search by Coordinates / Search by Previous / Search by Favorites / Search Home
- Destination Memory:  
300 Favorite Destinations/Last 50 Destinations/4 via Points
- Multiple Route Options:  
Fastest/Shortest/Freeway Route, Avoid Freeway/Ferry
- Map Display:  
3D Landmark/3D Scroll/3D Footprint/Junction View/Magnified View/Lane Guide/Speed Limit Display
- Quick Menu • Speed Alert • Adaptive Volume Control

**Audio & Visual Feature Highlights**

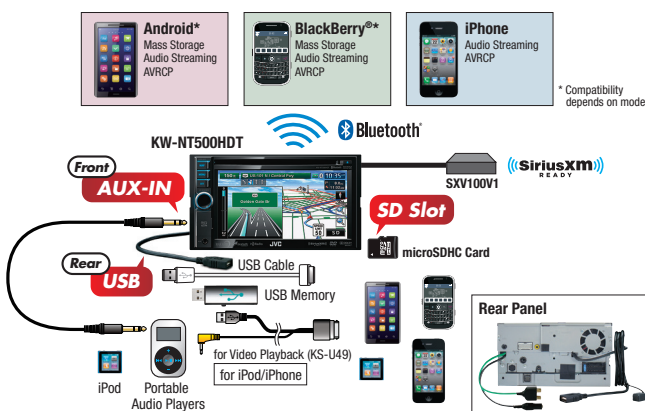
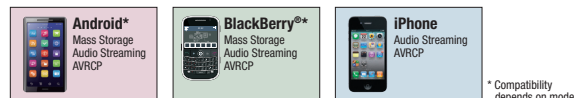
- MOS-FET 50W x 4 (20W RMS x 4)
- Built-in 7-inch WVGA Monitor (KW-NT800HDT)/Built-in 6.1-inch WVGA Monitor (KW-NT500HDT)
- Touch Panel • Built-in Bluetooth® Wireless Technology\*1 (Easy Connect [SSP], Phone Book Access Profile, Phone Book Transfer, Hands-Free Call, Audio Streaming, AVRCP, Alphabetical Search for Phone Book)
- USB Audio and Video for iPod/iPhone etc.\*2 • 2-Way Control for iPod/iPhone\*3 (Headunit/iPod or iPhone)
- External Mode for iPod/iPhone\*4 • iTunes Tagging • Pandora Control for iPhone • iHeart Link for JVC
- Rear USB Port (MP3/WMA/WAV/AAC\*/FLAC/WMV/H.264/AVC/MPEG-4/iPod & iPhone Audio)  
USB 2.0 High Speed • USB 1A Power Supply
- Front SDHC/SD (KW-NT800HDT) / microSDHC/SD (KW-NT500HDT) Slot\*5 (MP3/WMA/WAV/AAC\*/FLAC/WMV/H.264/AVC/MPEG-4)
- MP3/WMA/WAV/AAC\*4 Compatible (DVD/CD) • Built-in HD Radio (with HD TTN+) • SiriusXM Ready\*6
- DIAS II Tuner • Dolby Digital
- Sound Settings:  
Time Alignment (DSP) / 13-Band IEQ / Preset EQ / Source Link EQ / Crossover Setting / Audio Effect (Road Noise Compensation etc.) / Digital Track Expander 2.0 (DSP)
- High-Pass Filter/Low-Pass Filter (30 - 250Hz, Slope -6/-12/-18/-24dB/Octave)
- 2.5V Line and Subwoofer Pre-Output Level • 3 Pre-Output Terminals (Front + Rear + Subwoofer)
- Subwoofer Control • Line Output (Video) • Line Input Terminals (AV + Video for iPod)
- Multilingual Display (English/Spanish/French) • Variable-Color Illumination • Steering Wheel Remote Ready
- Rear-View Camera Ready (Dedicated Terminal)

\*1 Available functions depend on cell phone.  
\*2 KS-U49 cable required for iPod/iPhone video playback and External Mode. Compatibility depends on iPod/iPhone.  
\*3 Compatibility with 2-way control for iPod/iPhone differs by model.  
\*4 Not compatible with DRM-protected music purchased from iTunes Store.  
\*5 Compatible with up to 32GB SDHC and up to 2GB SD.  
\*6 SXV100 required

**KV-CM20K**  
Rear-View Camera (Optional)



**Connections**



Key Specifications	
	KW-NT800HDT/NT500HDT
Maximum Power Output	50 + 50W (14.4V 4C)
Continuous Power Output (RMS)	20 + 20W RMS x 4 Channels at 4Ω ≦ 1.0% THD* +N
AV Input	✓
Video Input (Camera)	✓
Line Pre-Output Terminals	3 (Front + Rear + Subwoofer)
Center Channel Output	-
Subwoofer Output with Level/Frequency Control	✓
Subwoofer Output Level	2.5V
Subwoofer Gain Control	-50 - +10dB
Composite Video Output	✓
Digital Output	-
Load Impedance	4Ω (4 - 8Ω)
Pre-Output Level/Impedance	2.5V/20kΩ Load (full scale)
Video Output	1.0Vp-p/75Ω
2nd Audio Output	-
Video Input	1.0Vp-p/75Ω
Audio Input	1.5Vrms/20kΩ
* Total Harmonic Distortion	
<b>Monitor</b>	
Screen Size	7" WVGA (KW-NT800HDT)/ 6.1" WVGA (KW-NT500HDT)
Number of Pixels	1,152,000
Color System	NTSC/PAL
<b>Dimensions (W x H x D)</b>	
Installation Size	7 3/16" x 3 15/16" x 6 15/16"    182 x 111 x 175 mm
Panel Size	7 7/16" x 4 5/8" x 5/16"    188 x 117 x 7 mm
Detachable Face Plate	-