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Peace of Mind

Selected models come with a 3-year warranty when purchased & fitted by a KENWOOD Pro-Install Dealer



Mechless | Android Auto | Android Mirroring | Apple CarPlay

Car Electronics (/car/) [Multimedia & Sat Nav Systems \(/car/nav_mm/\)](#) [Multimedia Systems & Android Auto \(/car/nav_mm/android-auto-mm/\)](#) [DMX8021DABS](#)

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DMX8021DABS

Digital AV Receiver • 7.0" WVGA Display • Wireless Apple CarPlay/Android Auto & Android screen mirroring • DAB+ Tuner

3-Year Warranty when purchased & fitted by a KENWOOD Pro-Install Dealer

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[\(/kasc-cdn.novena.hr/files/image/3485/8/600x410-10/KENWOOD_DMX8021DABS_E_REAR.jpg\)](#)

Additional Images

DAB+ tuner built-in	Made for iPod & iPhone *	KENWOOD Remote App Ready	Digital Sound Processor (DSP)	Digital Time Alignment (DTA)	Top Menu Customize	Built-in Bluetooth	Wifi built-in
Apple CarPlay – Connect Wirelessly or via USB	Android Auto™ – Connect Wirelessly or via USB	Wireless Mirroring for Android	Camera inputs	Rear View Camera Input			

Key Features

7.0 "WVGA capacitive touch panel with sharp, high-contrast images, vivid colors and wide viewing angles.
Wi-Fi built-in for convenient wireless connection with a compatible smartphone.
DAB/DAB+ radio tuner for noise & interference free reception and crystal-clear digital stereo sound
Bluetooth(R) Wireless Technology for hands-free calls and music streaming. (Available functions depend on cell phone).
Supports CarPlay wirelessly and with a USB cable.
Supports Android Auto wirelessly and with a USB cable
Supports Wireless Mirroring for Android including 2-way touch control capability.
Featuring 4 camera inputs allow for the utmost in convenience, flexibility, and safety.
3 RCA high power (5.0V) preouts (front/rear/sub)
Compatible with Hi-Res Audio which provides greater sound clarity and detail than standard compressed digital audio formats.
Digital Sound Processor, Time Alignment & 13-Band EQ for optimal sound tuning enhancements.
Rear High Speed USB type-C port. Up to 3.0A Max Charge
Short body (85mm) for easy installation.

General Features

DIN Size	2 DIN
Security Code Function (user set)	Yes, Set by user
Smooth GUI	Yes
Selectable GUI Background Wallpaper	Yes
Key Illumination	Variable color
<u>Installer Memory</u>	Yes
<u>Back-up Memory</u>	Yes
Attenuator with Smooth Volume Return	Yes
<u>Optional IR remote controller</u>	Yes, (KCA-RCDV331)
Digital Clock (24H)	Yes
<u>Built-in Bluetooth</u>	Yes
<u>DAB Tuner Built-in</u>	Yes
Wifi built-in	Yes
<u>Made for iPhone</u>	Yes
<u>Apple CarPlay – Connect Wirelessly or via USB</u>	Yes
<u>Android Auto™ – Connect Wirelessly or via USB</u>	Yes
<u>Wireless Mirroring for Android</u>	Yes
<u>Firmware upgradable</u>	Yes
<u>HDMI input</u>	for video playback
<u>Dashcam Link</u>	Yes
GPS input	GPS & Glonass Antenna included

Monitor Features

Screen Type	7,0" Wide VGA
Display Type	Glare
Display film	Anti-Fingerprint / Anti-Reflection / Anti-Glare)
<u>Touch Panel</u>	Capacitive
<u>Display Mode</u>	3 Mode (Full(default)/Auto/Normal)

Multimedia GUI Features

Screen Adjustments	▶ Noon & Night Memory. ▶ Brightness. ▶ Tint. ▶ Colour. ▶ Contrast. ▶ Black Level. ▶ Backlight.
<u>Dimmer function</u>	Manual/Sync
Dimmer Level	Sync / On / Off
Visual Source Mode	Mirroring / CarPlay / Android Auto.
LCD viewing angle control	"0" (Default) / "-1" / "-2" / "-3"
NTSC/PAL judge	Yes (Auto)

Menu text	22 languages: ▶ English(UK)(Default) ▶ English(US) ▶ Spanish ▶ French ▶ German ▶ Italian ▶ Dutch ▶ Russian ▶ Portuguese ▶ Chinese (Simplified) ▶ Chinese (Traditional) ▶ Thai ▶ Turkish ▶ Arabic ▶ Persian ▶ Hebrew ▶ Greek ▶ Malaysian ▶ Indonesian ▶ Polish ▶ Czech ▶ Hungarian
Software updates (SoC)	via USB
Graphics Type	Graphics
Spectrum Analyzer	Yes
Demonstration Mode	Yes
<u>Top Menu Customize</u>	Yes
Opening Screen Type	standard
Wallpaper customizable	Preset x6: ▶ Static x4. ▶ Colour Customize x1. ▶ Sync Album Art x1. ▶ USER x2.
Wallpaper colour change	Yes
<u>Multi Widgets</u>	Clock & Photo Frame Widget
Picture in picture	Yes
Animation	Yes
Screen Capture	Yes
R-CAM interrupt	Yes
R-CAM Caution On Screen Display	Yes
<u>R-CAM Parking Guide Lines</u>	Yes
<u>Front Camera Interruption</u>	Yes
DashCam Control	Yes
Rapid charge indicator	Yes

Network & Wifi features

<u>WiFi built-in</u>	built-in
Frequency Range	Dual Band (2.4GHz / 5GHz)
IEEE standard	802.11a/b/g/n/ac
<u>Wireless connection for Apple CarPlay</u>	Yes
<u>Wireless connection for Android Auto</u>	Yes
<u>Wireless connection for Android Mirroring</u>	Yes

Tuner Features

<u>Station Select</u>	Manual / Preset (List)
Tuner Type	Lithio
<u>FM Stereo / Mono Selector</u>	Yes
<u>FM(RDS) + AM(MW/LW) Tuner</u>	Yes
<u>Tuning mode</u>	
<u>Up/Down Seek/Scan</u>	Yes
Tuner Presets (FM/AM)	20 Presets (15FM / 5AM)
<u>Automatic Memory Entry (AME)</u>	Yes
<u>Tuner Preset Back-up Memory</u>	Yes
<u>Radio Data System</u>	Yes
<u>Radio Text Plus</u>	Yes
Traffic Information	Yes
Local search	Yes
AF Regional	Selectable: AF/AF Reg/OFF
<u>Auto TP search</u>	Yes
<u>Enhanced Other Networks Function (EON)</u>	Yes
<u>Program Type Function (PTY)</u>	Yes

CE DAB tuner features

<u>DAB+ tuner built-in</u>	Yes
<u>Digital Radio Certification Mark</u>	Yes
Intelligent seek	Yes, (Service, Ensemble & Component)
<u>Ensemble seek</u>	Yes
Tuning mode / Seek mode	Auto1/Auto2/Manual
Service preset	15 ch * 1 bank presets,
Service list by alphabet order	Yes
Preset list	Yes
Alphabet Search	Yes
Related service	Yes
<u>Traffic Information</u>	Yes
<u>DAB priority</u>	Yes
DAB-DAB/DAB-FM auto switch	Yes
<u>Seamless DAB-FM blending</u>	Yes
<u>DLS (Dynamic Label)</u>	Yes
PTY (Programme Type) search	Yes
PTY (Programme Type) watch	Yes
Announcement Switching (ASW) Select	Yes
<u>TMC (Traffic Message Channel) support</u>	Yes
DMB Audio (Digital multimedia broadcasting)	Yes
<u>Soft linking</u>	Yes
Antenna power supply on/off switch	Yes

Bluetooth General Features

Module	Murata
<u>Hands Free Profile (HFP)</u>	V1.7
<u>Hands Free Profile with High Sound Quality</u>	HFP V1.7
<u>2 Phones Switchable Hands Free</u>	Yes
<u>2 phones full time connection</u>	Yes
<u>Audio Streaming (A2DP)</u>	Yes, (SBC/AAC)
<u>High Quality Audio Streaming</u>	SBC/AAC
Max num. of regist. units for A2DP	5 units
<u>Serial Port Profile (SPP)</u>	Yes
Simple Secure Pairing (SSP)	Yes
<u>Phonebook Access Profile (PBAP)</u>	Yes
<u>Audio/Video Remote Control Profile (AVRCP)</u>	Yes, V1.6
Multi Profile Support	Yes
<u>iPhone & Android automatic pairing via USB</u>	Yes
<u>KENWOOD Remote App Ready</u>	
<u>KENWOOD Music Mix Support</u>	Yes
<u>Catchphone / Call Waiting</u>	Yes
Private mode	Yes
Alphabet Search (Phonebook)	Yes
Noise Canceller	Yes
Echo Canceller	Yes
Phone device status display	Yes
Audio device status display	Yes
Signal strength display	Yes
Remaining battery display	Yes
High-quality noise canceling microphone	Included (rear wired)

Playable Audio File

<u>AAC (*.m4a) files are playable</u>	USB
<u>AAC (*.aac) files are playable</u>	USB
<u>MP3 files are playable</u>	USB
<u>WMA (.wma) files are playable</u>	USB
<u>WAV (.wav) files are playable</u>	USB
<u>FLAC files are playable</u>	USB

CE_Playable Video file

MPEG1/2 files are playable	USB
<u>MPEG4 files are playable</u>	USB
WMV files are playable	USB
<u>H.264 files are playable</u>	USB
<u>mkv files are playable</u>	USB

USB Features

<u>USB terminal</u>	Yes, Super Speed USB-C type.
<u>USB Type</u>	2.0 High speed
USB extension cable supplied	yes, 1m
<u>Drive Change</u>	Yes
Works with Android Auto	Yes
<u>Works with Apple CarPlay</u>	Yes
Tag Information Display	Yes
Album Art Display	Yes
Repeat/Scan/Random search	Yes

iPhone Features

Repeat Play	Folder/File/All
Random play	Folder
<u>Category search</u>	Yes
<u>Link Search</u>	Yes
Last Position Memory / Resume	Yes
Time code display	Yes

<u>Made for iPod & iPhone *</u>	Yes
USB Direct Control (Audio, 1 wire, Lightning-connector)	with optional cable KCA-iP103
Album art support	Yes
<u>Music library search</u>	Yes
<u>Alphabet search</u>	Yes
<u>Skip search</u>	Yes
<u>iPod Accessory Protocol (iAP).</u>	iAP2
<u>iTunes Radio App</u>	yes iAP2
<u>Works with Apple CarPlay.</u>	Wireless or Wired via USB
Reverse browsing	Yes
<u>Voice Control using Siri.</u>	Yes
Bluetooth Auto Paring for iPhone	Yes
Battery charge + power control	Yes
* Always update to latest Apple firmware	

Audio features

Max. Output Power (MOSFET Power IC)	4 x 50W
<u>Pre-out</u>	3RCA: Front/Rear/Subwoofer
Pre-out Output Level	5V
<u>Volume Offset</u>	Yes
Balance/Fader Control	Yes, (via DSP)
<u>Loudness Control</u>	Yes, By DSP
<u>Bass Boost</u>	Yes, (Via DSP)
Att.(-20dB) with smooth Volume Return	Yes
<u>Equalizer</u>	Yes, 13 Band Graphic EQ
<u>Digital Sound Processor (DSP).</u>	Yes
<u>Digital Time Aligment (DTA)</u>	Yes
Beep On/Off	Yes

Multimedia DSP Features

Car type control	Off / Compact / Sedan / Wagon / Minivan / SUV / Passenger Van
Speaker Size & Location Control	Yes
X'over network	3-Way / 2-way X'over / HPF / LPF
<u>Listening position control / Time Alignment</u>	Yes
Equalizer type	Graphical
Equalizer	13-Bands
Equalizer presets / User set	8 presets / 4 User set
Balance & Fader Control	Yes
Source Volulme Offset	source independent

Connectivity

Sound Effects	▶ Bass Boost ▶ Supreme ▶ Loudness ▶ Realizer ▶ Drive Equalizer ▶ Stage EQ ▶ Space Enhancer
Audio Setup Memory	Yes

iPod direct control	Yes
USB interface	USB-C (Detachable, Rear side)
DC-Cord	Mitsumi to ISO
<u>Reverse sensor wire</u>	Yes
<u>Parking sensor (handbrake) wire</u>	Yes
<u>Power Control (P.CON) wire</u>	Yes
<u>2-way (Tel/Navi) mute wire</u>	Yes
Dimmer control wire	Yes
Speedpuls input wire	Yes
Amplifier pre-out	3 x RCA: Front/Rear/Subwoofer
<u>AV-Input</u>	1x mini-jack (selectable: AV-in / Camera-in)
AV Output	Video: RCA / Audio: mini-jack
Available AV-Out source	AV-in / Off
<u>Camera inputs</u>	up to 4 camera's
<u>Rear View Camera Input</u>	Dedicated RCA Video-in
Front View Camera Input	selectable: Front / Dash-Camera-in
<u>HDMI input</u>	Type A
Multi View Camera Control Line	Yes
<u>Dashcam Link</u>	Yes
GPS Aerial Input	HRS GT5-1S connector
FM Antenna Input	JASO connector
DAB Aerial input	SMB connector
External microphone input	3,5mm mini-jack
<u>OEM Wired Remote Control ready.</u>	Yes, Optional interface needed
<u>OEM Display Control ready.</u>	Yes, Optional interface (KIM) needed
<u>Learning Steering Remote Function</u>	Yes
<u>Display input/output control</u>	Yes

Tuner Specifications

FM range: 87.5Mhz - 108MHz (50Khz step)	Yes
FM Usable Sensitivity	0.8µV/75ohm (S/N 30dBf)
FM Quieting Sensitivity	1.6µV/75ohm (S/N 15.2dBf)
FM Frequency Response	30Hz ~ 15kHz (± 3dB)
FM Signal to noise ratio (Mono)	65dB
FM Selectivity(DIN)	over 80dB (±400kHz)
FM Stereo Separation (1kHz)	45dB
MW range: 531kHz - 1611kHz (9kHz step)	Yes
MW Usable Sensitivity	45µV
LW range: 153kHz - 279kHz (9kHz step)	Yes
LW Usable Sensitivity	25µV

DAB Tuner specifications

Band III - Frequency range	174.928 MHz - 239.2MHz
Mode	I, II, III, IV

Sensitivity	- 100dBm
Signal to noise ratio	90dB
Audio format	MPEG1 Audio Layer II, MPEG4 HE-AAC v2
DAB Aerial Connector Type	SMB
Output Voltage	14.4V (11V to 16V allowable)
Maximum Current	< 100 mA

Bluetooth specifications

Technology	Bluetooth V5.0
Frequency	2.402 - 2.48 GHz
Output power	+4dBm(max), power class 2
Maximum range	Line of sight approx. 10 meter
Handsfree profile (HFP)	Yes, V1.7
Serial port profile (SPP)	Yes
Advanced audio distribution profile (A2DP)	Yes
Audio Codec	SBC/AAC
Audio/Video remote control profile (AVRCP)	Yes, V1.6
Phonebook access profile (PBAP)	Yes
Multi Profile Support	Yes

USB Specifications

USB Version compatibility	USB-C - 2.0 High Speed
File System	FAT 16/32 / exFAT / NTFS
Maximum Supply current	1500mA
D/A Converter	24/32 bit
Video Decoder	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
Audio Decoder	MP3/WMA/AAC/WAV/FLAC/Vorbis
S/N Ratio	98.5 dB (1kHz)
Dynamic Range	89dB

Audio Specifications

Maximum Power	50 W x 4
Output Power (DIN45324,+B=14.4v)	22 W x 4
Output frequency band	20 Hz ~ 88 kHz
Preout Level	5000 mV / 1 kOhm,
Preout Impedance	≤ 300 Ohm
Speaker Impedance	4 Ohm ~ 8 Ohm

DSP Specifications

Frequency band	62.5/100/160/ ~ /6.3k/10k/16k Hz
Equalizer Gain	−9db ~ +9db
Time Alignment	0 — 610cm(1 cm step)
Speaker type - Center	► NONE ► 40mm X 70mm ► 5cm ► 10cm ► 13cm ► 16cm OVER

Speaker type - Front	▶ O.E.M. ▶ 10cm ▶ 13cm ▶ 16cm ▶ 17cm ▶ 18cm ▶ 4" x 6" ▶ 5" x 7" ▶ 6" x 8" ▶ 6" x 9" ▶ 7" x 10"
Speaker type - Rear	▶ NONE ▶ O.E.M ▶ 10cm ▶ 13cm ▶ 16cm ▶ 17cm ▶ 18cm ▶ 4" x 6" ▶ 5" x 7" ▶ 6" x 8" ▶ 6" x 9" ▶ 7" x 10"
Speaker type - Sub woofer	▶ NONE ▶ 16cm ▶ 20cm ▶ 25cm ▶ 30cm ▶ 30cm over
2-Way X'over / Front/Rear (HPF) / Frequency	Through, 30/40/50/ ~ /220/250 Hz
2-Way X'over / Front/Rear (HPF) / Slope	-6/-12/-18/-24 (dB/oct)
2-Way X'over / Subwoofer (LPF) / Frequency	30/40/50/ ~ /220/250 Hz, Through
2-Way X'over / Subwoofer (LPF) / Slope	-6/-12/-18/-24 (dB/oct)
3-Way X'Over / High Pass Filter Frequency	Through, 30/40/50/ ~ /220/250 Hz
3-Way X'Over / High Pass Filter Slope	-12/-18/-24 (dB)
3-Way X'Over / Low Pass Filter Frequency	30/40/50/ ~ /220/250 Hz, Through
3-Way X'Over / Low Pass Filter Slope	-12/-18/-24 (dB/Oct)
Subwoofer Level	-50dB ~ 10dB
Car type control	▶ Off ▶ Compact ▶ Sedan ▶ Wagon ▶ Minivan ▶ SUV ▶ Passenger Van

Video Specifications

Color System of External Video Input	NTSC/PAL
External video input level (mini-jack)	1 Vpp / 75 Ohm
External audio max. input level (mini-jack)	2 Vpp / 25 kOhm
Video input level (RCA)	1 Vpp, 75 Ohms
Video Output Level (RCA)	1 Vpp / 75 Ohm
Audio Output Level (mini-jack)	0.9 Vpp / 10 kOhm
HDMI - VGA input resolution	640x480p @59.94Hz/60Hz
HDMI - 480p input resolution	720x480p @59.94Hz/60Hz
HDMI - 720p input resolution	1280x720p @59.94Hz/60Hz
HDMI - input Audio type	16/20/24-bit Linear PCM

Monitor Specifications

Screen size (Diagonal)	6.95 Inches Wide
Screen Size (WxH)	156.6 x 81.6mm

General Specifications

Accessories

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Car (/car/)

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CAR ELECTRONICS (COMMUNICATION SOLUTIONS (HOME AUDIO & PHONE AUDIO/))	Multimedia & Sat Nav Systems (/car/nav_mm/)	Car Stereo (/car/rec/)	Amps & Speakers (/car/amp_spk/)	Dash Cams & Accessories (/car/accessories/)	sk=wall)
	Apple Carplay & Android Auto (/car/nav_mm/carplay-mm/)	Amazon Alexa Car Stereo (/car/rec/alexa/)	Amplifiers (/car/amp_spk/amp/)	Dash Cam & Cameras	
	Garmin Navigation & Apple Carplay, Android Auto (/car/nav_mm/carplay/)	Bluetooth Car Stereo (/car/rec/bluetooth/)	Subs & Component Speakers (/car/amp_spk/com/)	Antenna Leads Remotes	
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