

# Kenwood DMX5023DABS Key Features

## Key Features

6.8" WSVGA Display with Capacitive Touch Panel.
Wired Apple CarPlay® & Android Auto™ - Connect via USB
Wired iPhone / Android USB Mirroring.
Built-in DAB+ Digital radio Tuner
Built-in Bluetooth® technology for Handsfree calling & Audio Streaming.
High Current 2.1A Charging USB port.
Front & Rear + Subwoofer (Mono) Preouts - 2.5V
13 Band EQ & Digital Time Alignment
Rear View Camera Input with Parking Guidelines
Single DIN Short Chassis Design for easy installation

## General Features

DIN Size	2 DIN
Smooth GUI	Yes
Selectable GUI Background Wallpaper	Yes
Key Illumination	White color
Attenuator with Smooth Volume Return	Yes
Touch Sensor Tone	Yes
<u>Optional IR remote controller</u>	Yes, (KNA-RCDV331)
Digital Clock (24H)	Yes
<u>Built-in Bluetooth</u>	Yes
<u>DAB Tuner Built-in</u>	Yes
<u>Made for iPhone</u>	Yes
<u>Works with Apple CarPlay</u>	Yes
<u>Works with Android Auto</u>	Yes
<u>USB Mirroring for iPhone / Android</u>	Yes
<u>Firmware upgradable</u>	Yes

## Monitor Features

Screen Type	6.8" Wide SVGA
Display Type	Glare
Display Panel	Capacitive
Display film	Anti Fingerprint
<u>High Resolution WSVGA Screen</u>	1024 x 600 pixel
LCD backlight	White LED
<u>Display Mode</u>	3 Mode (Normal(default) / 16:9 / 4:3)
Screen Adjustments	Brightness / Tint / Color / Contrast
<u>Dimmer function</u>	Manual/Sync
Dimmer Level	Auto/On/Off
Visual Source Mode	Mirroring / CarPlay / Android Auto.
Mechanism type	Fixed
NTSC/PAL judge	Yes (Auto)
Display Off Mode	Yes

## Multimedia GUI Features

OSDC Type	Graphic
Menu text	14 languages: ▶ English(UK)(Default) ▶ English(US) ▶ Spanish ▶ French ▶ German ▶ Italian ▶ Dutch ▶ Portuguese ▶ Arabic ▶ Hebrew ▶ Greek ▶ Polish ▶ Czech ▶ Hungarian
Demonstration Mode	Yes
<u>Top Menu Customize</u>	Yes
Opening Screen Type	standard
Background Customize	6 x presets + 2 x user set
R-CAM interrupt	Yes
<u>R-CAM Parking Guide Lines</u>	Yes, Built-in, customizable

## Tuner Features

FM Reception	Yes
<u>AM (MW/LW) Reception</u>	Yes
<u>Tuning mode</u>	Auto1/Auto2/Manual
<u>Up/Down Seek/Scan</u>	Yes
Tuner Presets (FM/AM)	36 Presets (24FM / 12AM)
<u>Automatic Memory Entry (AME)</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>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
Tuning mode / Seek mode	Auto1/Auto2/Manual
Service preset	15 ch * 1 bank presets,
Service list by alphabet order	Yes
Alphabet Search	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
Announcement Switching (ASW) Select	Yes
Slide Show	Yes
<u>Soft linking</u>	Yes
Antenna power supply on/off switch	Yes

## Bluetooth General Features

<a href="#">Hands Free Profile (HFP)</a>	Ver. 1.8
<a href="#">Audio Streaming (A2DP)</a>	Yes, (SBC/AAC)
Simple Secure Pairing (SSP)	Yes
<a href="#">Phonebook Access Profile (PBAP)</a>	Yes
PBAP call history	Up to 20 entries of dialed, received and missed calls
<a href="#">Audio/Video Remote Control Profile (AVRCP)</a>	Yes, V1.6
<a href="#">iPhone &amp; Android automatic pairing via USB</a>	Yes
Private mode	Yes
Interrupt call request	Yes
Voice Control	Yes
Noise Canceller	Yes
Echo Canceller	Yes
High-quality noise canceling microphone	built-in
<a href="#">Bluetooth firmware upgradeable</a>	Yes, Included in system updates

## Playable Audio File

<a href="#">AAC (*.aac) files are playable</a>	USB
<a href="#">MP3 files are playable</a>	USB
<a href="#">WMA (.wma) files are playable</a>	USB
<a href="#">WAV (.wav) files are playable</a>	USB
<a href="#">FLAC files are playable</a>	USB

## CE\_Playable Video file

MPEG1/2 files are playable	USB
<a href="#">MPEG4 files are playable</a>	USB
WMV files are playable	USB
<a href="#">H.264 files are playable</a>	USB
<a href="#">mkv files are playable</a>	USB

## USB Features

<a href="#">USB terminal</a>	Yes, rear side / 1m cable / fix
<a href="#">USB Type</a>	2.0 High speed
Yes	
<a href="#">Drive Change</a>	Yes
File System	FAT16 / FAT32 / exFAT / NTFS
Tag Information Display	Yes
Album Art Display	Yes
Repeat Play	Folder/File/All
Random play	Folder
<a href="#">Category search</a>	Yes
<a href="#">Link Search</a>	Yes
Last Position Memory / Resume	Yes
Time code display	Yes
USB ports maximum output current	2.1A

## iPhone Features

Connection via:	USB / Bluetooth
Plug & Play	Yes
<u>Made for iPhone</u>	Yes
Tag Information Display	Yes
Time Code Display	Yes
List Access	Yes
Album art support	Yes
Random Play	Yes
Repeat Play	Yes
Skip	Yes
iAP over Bluetooth	Yes
<u>Works with Apple CarPlay</u>	via USB

## Android Phone Control

Connection via	USB / Bluetooth
<u>Works with Android Auto</u>	Via USB
<u>Android Open Accessory Protocol</u>	Yes (For Android Auto)

## Audio features

Max. Output Power	4 x 50W
Primary Power Output	4 x 22W
<u>Pre-out</u>	2 RCA : FRONT/REAR + SUB(mono)
Pre-out Output Level	2.5V
<u>Volume_Offset</u>	Yes
Volume Type	DSP
Built-in Amplifier Off	Yes
Balance/Fader Control	Yes
Beep On/Off	Yes

## Multimedia DSP Features

Position Preset	4 Presets
Graphic Equalizer	13 bands
G-EQ manual setting	Yes
G-EQ adjustable level	Yes, +9db / -9dB
Time Alignment	0 ~ 610cm
HPF Cut Off Frequency	14 steps
HPF Cut Slope Level	4 steps
Low Pass Filter (LPF)	Yes (Non-Fading)
LPF Cut Off Frequency	14 steps
LPF Cut Slope Level	4 steps
X'over	Yes
Speaker Size Control	Yes
Channel Level Control	Yes
Loudness	Yes
Tweeter volume	Yes
Bass Boost	Yes
Source Volume Offset	source independent

## Connectivity

DC-Cord	22pin (New Type) to ISO
<u>Reverse sensor wire</u>	Yes
<u>Parking sensor (handbrake) wire</u>	Yes
<u>Power Control (P.CON) wire</u>	Yes
Dimmer control wire	Yes
Preout	2 x RCA (Front/rear) + Sub (mono)
AV-Input (Non Switchable)	(Mini-jack) audio & video
Video Out	RCA x1 (Source: USB)
<u>Rear View Camera Input</u>	Dedicated RCA Video-in
GPS Aerial Input	GPS antenna included
FM Antenna Input	JASO connector
DAB Aerial input	SMB
External microphone input	3,5mm mini-jack
<u>OEM Wired Remote Control ready.</u>	Yes, Optional interface needed
<u>Learning Steering Remote Function</u>	Yes

## Tuner Specifications

FM range: 87.5Mhz - 108MHz (50Khz step)	Yes
FM Usable Sensitivity	1.8µV/75ohm (S/N 30dBf)
FM Frequency Response	30Hz ~ 14kHz (± 3dB)
FM Signal to noise ratio (Mono)	50dB
FM Stereo Separation (1kHz)	35dB
MW range: 531kHz - 1611kHz (9kHz step)	Yes
MW Usable Sensitivity	99µV

## DAB Tuner specifications

Band III - Frequency range	174.928 MHz - 239.2MHz
Mode	Band III
Sensitivity	- 98dBm
Signal to noise ratio	82dB
Audio format	MPEG1 Audio Layer II, MPEG4 HE-AAC V2
Output Voltage	14V (10.5V to 16V allowable)
Maximum Current	< 100 mA

## Bluetooth specifications

Technology	Bluetooth V5.0
Frequency	2.402 - 2.48 GHz
Output power	+9 dBm (max), Power Class 1
Maximum range	Line of sight approx. 10 meter
Handsfree profile (HFP)	Yes, V 1.8
Advanced audio distribution profile (A2DP)	Yes, V 1.3
Audio Codec	SBC/AAC
Audio/Video remote control profile (AVRCP)	Yes, V1.6
Phonebook access profile (PBAP)	Yes, V1.2

## USB Specifications

USB Version compatibility	USB 2.0 High Speed
File System	FAT 16/32 / exFAT / NTFS
Maximum Supply current	2100mA
D/A Converter	24bit
Video Decoder	MPEG1/2/4, WMV, H.264, mkv
Audio Decoder	MP3, WMA, AAC, WAV, FLAC

## Audio Specifications

Maximum Power	50 W x 4
Output Power (DIN45324,+B=14.4v)	22 W x 4
Output frequency band	20 Hz ~ 20 kHz
Preout Level	2500 mV / 10 kOhm,
Preout Impedance	≤ 1400 Ohm
Speaker Impedance	4 Ohm ~ 8 Ohm

## Video Specifications

Color System of External Video Input	NTSC/PAL
External Video Input Level (RCA)	1 Vpp / 75 Ohm
Video Output Level (RCA)	1 Vpp / 75 Ohm

## Monitor Specifications

Screen size (Diagonal)	6.8 Inches Wide
Display system	Transparent TN LCD Panel
Drive system	TFT Active Matrix System
Number of Pixels	1843200pixels (1024(H) x 600(V) x RGB)
Effective pixels	99.99%
Pixel arrangement	RGB Striped
Back lighting	LED (Light Emitting Diode)

## General Specifications

Operating voltage	14.4V (10.5 ~ 16V Allowable)
Dimensions (WxHxD)	178 x 100 x 86mm
Weight	1070 gr.
Weight, inclu. sleeve & escutcheon	1.07 kg

## Accessories

Release keys	2 pieces
Escutcheon	Yes
Installation Sleeve	Yes
DC cord	25 cm
<u>GPS Antenna Ground Plane Mount (Adhesive Metal Pad)</u>	Yes
Multi-Language Instruction Manual Included	