

## Kenwood Double DIN Wireless CarPlay DMX6523DABS Specification

|                  |                                                      |                    |
|------------------|------------------------------------------------------|--------------------|
| General Features | DIN Size                                             | 2 DIN              |
|                  | Smooth GUI                                           | Yes                |
|                  | Selectable GUI Background Wallpaper                  | Yes                |
|                  | Key Illumination                                     | White colour       |
|                  | 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>Wifi built-in</u>                                 | 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 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:<br>▶ English(UK)(Default)<br>▶ English(US)<br>▶ Spanish<br>▶ French<br>▶ German<br>▶ Italian<br>▶ Dutch<br>▶ Portuguese<br>▶ Arabic<br>▶ Hebrew<br>▶ Greek<br>▶ Polish<br>▶ Czech<br>▶ Hungarian |
|                         | Demonstration Mode               | Yes                                                                                                                                                                                                            |
|                         | <u>Top Menu Customize</u>        | Yes                                                                                                                                                                                                            |
|                         | Opening Screen Type              | standard                                                                                                                                                                                                       |
|                         | Wallpaper customizable           | 6 x presets + 2 x user set                                                                                                                                                                                     |
|                         | R-CAM interrupt                  | Yes                                                                                                                                                                                                            |
|                         | <u>R-CAM Parking Guide Lines</u> | Yes, Built-in, customizable                                                                                                                                                                                    |

|                         |                                                                      |                             |
|-------------------------|----------------------------------------------------------------------|-----------------------------|
| Network & Wifi features | <b><u>WiFi built-in</u></b>                                          | built-in                    |
|                         | Frequency Range                                                      | 5 GHz (5,745– 5,825 GHz)    |
|                         | Output Power                                                         | 5GHz / SISO: 13.78 dBm      |
|                         | <b><u>Wireless connection for Apple CarPlay</u></b>                  | Yes                         |
|                         | <b><u>Wireless connection for Android Auto</u></b>                   | Yes                         |
|                         | <b><u>Wireless connection for iPhone &amp; Android Mirroring</u></b> | With MirrorApp+ application |

|                |                                                      |                           |
|----------------|------------------------------------------------------|---------------------------|
| Tuner Features | FM Reception                                         | Yes                       |
|                | <b><u>AM (MW/LW) Reception</u></b>                   | Yes                       |
|                | <b><u>Tuning mode</u></b>                            | Auto1/Auto2/Manual        |
|                | <b><u>Up/Down Seek/Scan</u></b>                      | Yes                       |
|                | Tuner Presets (FM/AM)                                | 36 Presets (24FM / 12AM)  |
|                | <b><u>Automatic Memory Entry (AME)</u></b>           | Yes                       |
|                | <b><u>Radio Data System</u></b>                      | Yes                       |
|                | <b><u>Radio Text Plus</u></b>                        | Yes                       |
|                | Traffic Information                                  | Yes                       |
|                | Local search                                         | Yes                       |
|                | AF Regional                                          | Selectable: AF/AF Reg/OFF |
|                | <b><u>Enhanced Other Networks Function (EON)</u></b> | Yes                       |
|                | <b><u>Program Type Function (PTY)</u></b>            | Yes                       |

|                       |                                                |                         |
|-----------------------|------------------------------------------------|-------------------------|
| CE DAB tuner features | <b><u>DAB+ tuner built-in</u></b>              | Yes                     |
|                       | DAB-DAB/DAB-FM auto switch                     | Yes                     |
|                       | <b><u>Seamless DAB-FM blending</u></b>         | Yes                     |
|                       | Tuning mode / Seek mode                        | Auto1/Auto2/Manual      |
|                       | Service preset                                 | 15 ch * 1 bank presets, |
|                       | Alphabet Search                                | Yes                     |
|                       | Service list by alphabet order                 | Yes                     |
|                       | Intelligent seek                               | Yes                     |
|                       | Announcement Switching (ASW) Select            | Yes                     |
|                       | <b><u>DLS (Dynamic Label)</u></b>              | Yes                     |
|                       | PTY (Programme Type) search                    | Yes                     |
|                       | Slide Show                                     | Yes                     |
|                       | <b><u>Soft linking</u></b>                     | Yes                     |
|                       | Antenna power supply on/off switch             | Yes                     |
|                       | <b><u>Digital Radio Certification Mark</u></b> | Yes                     |

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

|                     |                                              |     |
|---------------------|----------------------------------------------|-----|
| Playable Audio File | <b><u>AAC (*.aac) files are playable</u></b> | USB |
|                     | <b><u>MP3 files are playable</u></b>         | USB |
|                     | <b><u>WMA (*.wma) files are playable</u></b> | USB |
|                     | <b><u>WAV (*.wav) files are playable</u></b> | USB |
|                     | <b><u>FLAC files are playable</u></b>        | USB |

|                        |                                        |     |
|------------------------|----------------------------------------|-----|
| CE_Playable Video file | MPEG1/2 files are playable             | USB |
|                        | <b><u>MPEG4 files are playable</u></b> | USB |
|                        | WMV files are playable                 | USB |
|                        | <b><u>H.264 files are playable</u></b> | USB |
|                        | <b><u>mkv files are playable</u></b>   | USB |

|              |                                  |                              |
|--------------|----------------------------------|------------------------------|
| USB Features | <b><u>USB Type</u></b>           | 2.0 High speed               |
|              | Yes                              |                              |
|              | <b><u>Drive Change</u></b>       | Yes                          |
|              | File System                      | FAT16 / FAT32 / exFAT / NTFS |
|              | Tag Information Display          | Yes                          |
|              | Album Art Display                | Yes                          |
|              | Repeat Play                      | Folder/File/All              |
|              | Random play                      | Folder                       |
|              | <b><u>Category search</u></b>    | Yes                          |
|              | <b><u>Link Search</u></b>        | 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              |
|                 | 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              |
|                 | <b><u>Works with Apple CarPlay</u></b> | Wired & Wireless |

|                       |                                               |                        |
|-----------------------|-----------------------------------------------|------------------------|
| Android Phone Control | Connection via                                | USB / Bluetooth        |
|                       | <b><u>Works with Android Auto</u></b>         | Wired & Wireless       |
|                       | <b><u>Android Open Accessory Protocol</u></b> | Yes (For Android Auto) |

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

|                         |                       |                    |
|-------------------------|-----------------------|--------------------|
| Multimedia DSP Features | Position Preset       | 4 Presets          |
|                         | Position Preset       |                    |
|                         | 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 Volulme 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 (PCON) wire</u>         | Yes                               |
|              | Dimmer control wire                      | Yes                               |
|              | Preout                                   | 2 x RCA (Front/rear) + Sub (mono) |
|              | 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                    |

|                                 |                            |                                       |
|---------------------------------|----------------------------|---------------------------------------|
| <b>DAB Tuner specifications</b> | 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                              |

|                                 |                                            |                                |
|---------------------------------|--------------------------------------------|--------------------------------|
| <b>Bluetooth specifications</b> | 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                      |

|                           |                           |                            |
|---------------------------|---------------------------|----------------------------|
| <b>USB Specifications</b> | 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   |

|                             |                                  |                    |
|-----------------------------|----------------------------------|--------------------|
| <b>Audio Specifications</b> | 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      |

|                             |                                      |                |
|-----------------------------|--------------------------------------|----------------|
| <b>Video Specifications</b> | 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 |

|                               |                        |                                        |
|-------------------------------|------------------------|----------------------------------------|
| <b>Monitor Specifications</b> | 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)             |

|                               |                                    |                              |
|-------------------------------|------------------------------------|------------------------------|
| <b>General Specifications</b> | 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                      |

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