



Replacement for KMR-M506DAB

▼ Display / Cosmetic features:

- Full detachable front panel.
- 2 line Liquid Crystal Display.
- Vertical alignment display for high contrast & wide viewing angle.
- Variable key & display backlight illumination
- 2 Zone colour concept.
- Brightness control.
- Manual & timer set dimmer control.
- Menu language: English(Default)/French/German/Russian/Spanish.
- ID3 Tag language: English/French/German/Greek/Russian/Spanish.
- Demonstration mode.
- Dual Accent key (Telephone / Amazon Alexa voice service).
- Front AUX-in & illuminated USB port with with anti dust cover door.
- 12H/24H clock display.

▼ Audio features:

- 4 x 50W max output power (MOS-FET).
- 2 RCA pre-out (2,5V), Front + Rear or Subwoofer (switchable).
- Front stereo mini-jack AUX input.
- Sound control:
 - Digital Sound Processor (DSP) & Digital Time alignment (DTA).
 - 13-Band Equalizer (1x Manual set + 8 Pre-sets)
 - Preset sound effects.
 - 3-way X'over.
 - Subwoofer setup & control.
- Touch sensor tone.

▼ Tuner features:

- Digital Audio Broadcasting (DAB+) Tuner.
 - DAB & DMB audio support.
 - 18 (3x6) DAB+ presets.
 - Intelligent seek & ensemble seek, Soft link, AF set.
 - Multipass noise canceller.
- FM (RDS) / AM (MW/LW) tuner:
 - 18 (3x6) FM + 6AM presets.
 - Local Seek, Auto memory, Regional, AF set.
- Retains tuner presets without backup power.
- Mixed presets (6 digital and/or analog (FM/AM) radio stations).
- TI, Traffic Information (FM & DAB).
- PTY search, ASW select, PTY Watch, Related service.

▼ USB port features:

- High Speed USB 2.0.
- 1,5A Quick battery charge (BC1.2 compatible).
- MP3, WMA, AAC, WAV and FLAC music files playback
- Drive change.
- Last position memory / Resume play.
- Random & Repeat play.
- iPod/iPhone USB direct control (iAP2).

▼ Bluetooth features:

- High quality wideband hands-free speech (HFP 1.7.1).
- Dual device connection for full time HFP connection.
- Audio streaming (A2DP) - SBC & AAC Audio Codec.
- Music library Tag browsing(AVRCP 1.6.1).
- Easy pairing via USB.
- KENWOOD remote App ready (Download via App store & Google Play).
- Music Mix (5 phones switchable music streaming).
- Voice control.
- Amazon Alexa voice service support.
- Noise reduction / Echo Canceling / Gain adjust.
- Signal strength, battery level & pairing indicator.
- High quality rear wired microphone included.

▼ General features:

- Firmware update by USB.
- Mitsumi to ISO connector DC cord.
- Steering remote control wire for 3rd party interfaces.
- Less than 1mA dark current in Power Off mode.
- Back-up memory of MENU settings without backup power.
- Power Off in standby mode: Off / 20min / 40min / 60min.
- Detachable faceplate.
- Short body (100mm depth) for easy installation.
- Conformal coated PCB for improved moisture resistance & corrosion.



DISPLAY / GRAPHICAL USER INTERFACE:	
Display Type:	2 line / 13 + 4 Digits x 13 Seg LCD.
Display Size (WxH):	80mm x 12mm.
Backlight illumination:	RGB LED (Default: Variable Scan).
Colour zone:	2-Zone: All zone / Zone1 / Zone2.
Brightness Control (Display & key):	0 ~ 31 steps.
Dimmer Control (Display & key):	Manual(On/Off) / Timer Set.
Text scroll:	Off / Auto / Once.
ID3 Tag lanugae support:	English/French/German/Greek/Russian/Spanish.
Menu language:	English(Default)/French/German/Russian/Spanish.
Date & Clock Display in Standby mode:	• (Default Off)
Demo mode:	• (Default On).
DAB+ TUNER:	
DAB+ & DMB audio support:	•
Service list in alphabetical order:	•
BAND / Frequency range:	BAND III (174,928 MHz ~ 239,200 MHz).
Sensitivity:	-100dBm
Signal to noise ratio:	90dB
Connector type:	SMB
Output Voltage:	12VDC
Maximum Curre:	< 100mA
DAB Aerial:	Optional
FM/AM TUNER:	
Reception type:	FM / AM (MW/LW).
Radio Data System (RDS):	AF / EON / PI / PS / PTY / RT / TA / TP / TI.
Radio Text Plus:	•
Pre-sets:	FM: 18 (3x6) + AM (1x6).
Pre-set type:	NORMAL (Default) / MIX
Automatic memory entry (AME):	•
Up / Down search:	•
Tuner Pre-set memory w/o backup power:	•
FM Frequency Range:	87,5MHz ~ 108,0MHz (50kHz Step).
FM Usable Sensitivity (S/N 30dB):	6,2dBf (28,5µV/75Ω).
FM Quieting Sensitivity (DIN S/N 46dB):	15,2dBf (1,58µV/75Ω).
FM Frequency Response (±3.0dB):	30Hz ~ 15kHz.
FM Signal to noise ratio:	68,0dB (Mono).
FM Stereo Separation:	40dB (1kHz).
MW Frequency Range:	531kHz ~ 1611kHz (9kHz Step).
MW Usable Sensitivity (S/N 20dB):	28,5µV
LW Frequency Range:	153kHz ~ 279kHz (9kHz Step).
LW Usable Sensitivity (S/N 20dB):	45,0µV
USB:	
USB standard:	USB1.1/ 2.0 (High speed).
File system:	FAT 12 / FAT 16 / FAT 32.
MP3:	Compliant with MPEG-1/2 Audio Layer-3.
WMA:	Compliant with Windows Media Audio.
AAC:	AAC-LC ".aac" & ".m4a" files.
WAV:	Linear PCM ".wav" files.
FLAC:	FLAC file (Up to 24bit / 96kHz).
Maximum supply current:	1,5A Quick battery charge.
Frequency response:	20 @ 20kHz (± 1dB).
Signal to noise ratio:	99dB (1kHz).
Dynamic range:	93dB
Channel separation:	90dB
iPod / iPhone direct control:	iAP2 over USB
BLUETOOTH:	
Version:	Bluetooth 4.2.
HFP (Hands free protocol):	High quality wide band speech (HFP 1.7.1).
Dual Phone connection:	•
SPP (Serial Port Profile):	•
PBAP (Phonebook Access profile):	V1.2
A2DP (Advanced Audio Distribution Profile):	SBC & AAC audio codec.
AVRCP (Audio/Video Remote Control Profile):	Music Library Browsing (V1.6.1).
Voice control:	•
Rear wired microphone:	included (3m cable)

AUDIO:	
Max output power:	4 x 50W (MOSFET).
Output power (DIN45324,+B=14.4V):	30 W x 4.
Subwoofer Level Adjustable:	-50 ~ +10.
Equalizer (Manual set):	13 band graphic equalizer / 62,5Hz~16kHz.
Equalizer Pre-set:	Natural/Rock/Pops/Easy/Top40/Jazz/Powerful/User.
Bass Boost:	Off / +01 / +02 / +03 / +04 / +05.
Loudness:	Off / Low / High.
Subwoofer set:	On / Off.
Fader position control:	Rear 15 ~ 0 ~ front 15.
Balance position control:	Left 15 ~ 0 ~ right 15.
X'over network:	Tweeter / HPF front / HPF rear / Subwoofer.
Speaker size control:	Front / rear /subwoofer.
Sound Reconstruction:	•
Space Enhancer:	•
Sound Realizer:	•
Stage EQ - Sound elevation:	•
Drive EQ:	•
Pre-out:	2x RCA: Front + Rear or Subwoofer (Switchable)
Pre-out Level:	2,5V
Pre-out impedance:	≤ 600 Ω
Speaker Impedance:	4 ~ 8 Ω
AUX in:	3.5mm stereo mini-jack.
AUX maximum input voltage:	1000mV
AUX Frequency response:	20 @ 20kHz (± 3dB).
AUX Input Impedance:	30 kΩ
Touch Sensor Tone:	•
GENERAL:	
Operating voltage:	14.4 V (10.5 – 16V allowable)
Maximum Current consumption:	10A
Dark Current consumption in "All Off" mode:	< 1mA
Installation Size (W x H x D):	1DIN, Short body: 182 x 53 x 100 mm
Net Weight (Trim Plate & Mounting Sleeve Incl.:	0,7kg
Firmware Update:	via USB
Security System:	Removable faceplate
All Off Mode:	0 / 20min / 40min / 60min
DC Cord:	15cm (ISO to Mitsumi connector)
Wired Steering wheel Remote Ready:	• (For third party interfaces)
Conformal Coated PCB	•