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Bluetooth handsfree & audio streaming built-in
MP3/WMA/AAC/WAV/FLAC playback DSP, DTA & 13-band EQ
built-in KENWOOD Remote app ready Music Mix app ready
Amazon Alexa ready 3 Text Line (8/13/8) Wide LCD Display
Variable Colour Illumination
English/Russian/Spanish/Frenh&German GUI language 2 RCA
(front+ rear/sub) Preouts (2,5V)

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General Features

DIN Size	2 DIN
Key Illumination	Variable LED
Rotary Encoder & Control Knob	Yes
Accent key	Handsfree & Voice Assistant
Dual Accent Key	Handsfree & Voice Assistant
Back-up Memory	Menu Settings
Attenuator with Smooth Volume Return	Yes
Touch Sensor Tone	Yes
Digital Clock (24H)	Yes
All-off Select (20/40/60 minutes)	Yes
Built-in Connector	Mitsumi, 16 pin
Bluetooth unit built-in	Yes
Firmware upgradable	Yes

Display Features

Display Layout	3 line text + custom icons
Vertical Aligment Liquid Crystal Display	Yes
Display Illumination	Variable by RGB LED
Dimmer Control	Manual / Set by Timer
Brightness control	0 - 31 steps
Demo Mode	Yes
Menu text in selectable language	English(default) / Spanish / French / German / Russian
TAG Language Display	English / Spanish / French / German / Russian / Greek

Cosmetics features

Dress plate	Black Injection
Preset key finish	Black Injection
Escutcheon finish	Black Injection
Volume & operation knob or wheel	Transparant Lighting
Triangle Illumination	Red LED
Key illumination	Variable by RGB LED
Illuminated front USB port	Variable by RGB LED
Brightness Control (Key)	0 - 31 step
Dimmer Control (Key)	Manual / Set by Timer
Variable color illumination	Yes
Color Zone Concept	3 zone colour control
Chrome-finished accents	faceplate

Tuner Features

Station Select	Manual / Preset
FM Reception	Yes
AM (MW/LW) Reception	Yes
Tuner Presets (FM/AM)	24 Presets (18FM / 6AM)
Preset memory w/o back-up power	Yes
Mixed preset memory (FM & AM)	6 presets
Up/Down Seek/Scan	Yes
Automatic Memory Entry (AME)	Yes
FM Stereo / Mono Selector	Yes
Radio Data System	Yes
Radio Text Plus	Yes
Traffic Information	Yes
Local search	Yes
AF Regional	Selectable: AF/AF Reg/OFF
Auto TP search	Yes
Enhanced Other Networks Function (EON)	Yes
Program Type Function (PTY)	Yes

CE_Playable Audio file

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

CD Features

CD-R/RW Compatible	Yes
MP3, WMA & AAC playback	Yes
CD Text with special Character Support	English, Spanish, Russian & Greek
D.A.C. processing	24bit
0 bit Mute	Yes
Random Function	DISC Random/Random OFF
Repeat Function	Track Repeat/All Repeat

USB Features

USB terminal	Yes, Front side with dust cover
USB Type	2.0 High speed
Drive Change	Yes
MP3, WMA, AAC, WAV, FLAC playback	Yes
Repeat/Scan/Random search	Yes
Repeat / Random Play	Yes
Direct search	Yes
Resume play	Yes
Time code display	Yes
1A Charge Capability for Smartphone.	Yes
1,5A Smartphone Quick Charge	Yes

iPod Features

Made for iPod & iPhone *	Yes
USB Direct Control (Audio, 1 wire, Lightning-connector)	with optional cable KCA-iP103
Music playback	Yes
Alphabet search	Yes
Skip search	Yes
Related search	Yes
Direct Search	Yes
iPod EQ Mode	Yes
Control by hand	Yes
App & iPod control mode	Yes
Spotify App Link	Yes
Reverse browsing	Yes
Battery charge + power control	Yes
* Always update to latest Apple firmware	

Audio Features

Maximum Output Power	50W x 4
MOSFET Power IC	Yes
Auxiliary Type	Mini-jack, front panel
Pre-out	2 RCA
Pre-out Output Level	2.5V
Preout Rear / Subwoofer Switchable	Yes
Subwoofer Reference Level Adj.	Yes
2-Way X'over network	Yes
3-Way x'over (bi-amp connection)	Yes
Tone Control / Easy EQ	13 band, 8 presets
Balance/Fader/Loudness Control	Yes
Bass Boost Circuit	Off/+1/+2/+3/+4/+5
Att.(-20dB) with smooth Volume Return	Yes
Equalizer built-in	Yes
Graphic Equalizer + Preset	13-Bands Graphic Equalizer with 8 Presets.
Digital Sound Processor (DSP) Built-in	Yes
Digital Time Alignment (DTA)	Yes
Low- & High-pass Filter	Yes
Speaker Size Control	Yes, Off/10cm/13cm/16cm/6x9inch
Kenwood Sound Reconstruction	Yes
Sound Reconstruction	Yes
Space Enhancer	Yes
Realizer	Yes
Stage EQ	Yes
Drive EQ	Yes

Bluetooth General Features

Hands Free Profile with High Sound Quality	HFP V1.7.1
Max num. of regist. phones for HFP	5 phones
2 phones fulltime connection	Yes
Audio Streaming (A2DP)	Yes
High Quality Audio Streaming	SBC/AAC
Max num. of regist. units for A2DP	5 units
Serial Port Profile (SPP)	Yes
Phonebook Access Profile (PBAP)	Yes
Audio/Video Remote Control Profile (AVRCP)	Yes, V1.6.1
Easy pairing function	Yes
iPhone & Android automatic pairing via USB	Yes
Voice Dialing / Siri Eyes Free	Yes
Spotify App Link	
KENWOOD Remote App Ready	
KENWOOD Music Mix Support	Yes
Amazon Alexa ready	Yes
Catchphone / Call Waiting	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
Bluetooth Paring Indicator	Yes
High-quality noise canceling microphone	Rear Wired
Bluetooth firmware upgradeable	Yes
* depends on phone model/make	& Kenwood unit

Connectivity

Front USB & AUX Input	Yes
OEM Wired Remote Control ready	Yes
DC-Cord	Mitsumi to ISO
Power Control (P.CON) wire	Yes
Amplifier pre-out	RCA: Front/Rear/Subwoofer
FM Antenna Input	JASO connector
External microphone input	3,5mm mini-jack

Tuner Specifications

FM range: 87.5Mhz - 108MHz (50Khz step)	Yes
FM Usable Sensitivity	0.71?V/75ohm (S/N 30dBf)
FM Quieting Sensitivity	2?V/75ohm (S/N 46dBf)
FM Frequency Response	30Hz ~ 15kHz (± 3dB)
FM Signal to noise ratio (Mono)	64dB
FM Stereo Separation (1kHz)	40dB
MW range: 531kHz - 1611kHz (9kHz step)	Yes
MW Usable Sensitivity	28.2?V
LW range: 153kHz - 279kHz (9kHz step)	Yes
LW Usable Sensitivity	50?V

Codec Specs

MP3 Format	MPEG 1/2 Audio Layer 3-Files
WMA Format	in accordance with Windows Media Audio
AAC Format	AAC-LC ".aac"(CD&USB) and ".m4a"(USB) files
WAV Format	RIFF waveform Audio Format (only for LinearPCM)
FLAC Format	FLAC files (up to 96kHz/24bit)

CD Specifications

Laser Diode	GaAlAs
Digital Filter(D/A)	8 Times Over Sampling
Digital/Analogue Converter	24 Bit
Wow & Flutter	Below Measurable Limit
Frequency Response	20Hz ~ 20kHz (±1dB)
Total Harmonic Distortion	0.01% (1kHz)
Signal to Noise Ratio	105dB (1kHz)
Dynamic Range	90dB
Channel Separation	85dB
MP3 Decoder	Compliant with MPEG-1/2 Audio Layer-3
WMA Decoder	Compliant with Windows Media Audio
AAC Decoder	AAC-LC".aac" Files

USB Specifications

USB Version compatibility	USB 2.0 High Speed
File System	FAT 32/16/12
Maximum Supply current	1500mA
D/A Converter	24bit
MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
WMA Decode	Compliant with Windows Media Audio
AAC Decode	"m4a" & "aac" file encoded by AAC-LC format
WAV Decode	Linear - PCM Files
flac Decode	FLAC files up to 96kHz/24bit

Audio Specifications

Maximum Power	50W x 4
Output Power (DIN45324, +B=14.4v)	22W x 4
Preout Level	2500mV / 10kOhm,
Preout Impedance	? 600Ohm
Speaker Impedance	4Ohm ~ 8Ohm
AUX Frequency Response	20Hz ~ 20kHz (±1dB)
AUX Maximum Input Voltage	1000mV
AUX Input Impedance	30kOhm

DSP Specifications

Frequency band - Front	62.5Hz ~ 16kHz
Equalizer Gain	-9db ~ +9db
Q Control	0.25/ 0.50/ 1.00/ 2.00
High Pass Filter frequency	Through/50 ~ 220 (Hz)
High Pass Filter Slope	-12/-18/-24 dB/Oct
Low Pass Filter frequency	50 ~ 120(Hz)/Through
Low Pass Filter Slope	-12/-18/-24 dB/Oct
Time Alignment	0 — 610cm(2 cm step)
Car type control	? OFF
	? COMPACT

	? Full SIZE CAR
	? WAGON
	? MINIVAN
	? SUV
	? MINIVAN LONG
Equalizer Type	Graphic
Frequency band	13 bands

Bluetooth specifications

Technology	Bluetooth V4.2
Frequency	2.402 - 2.48 GHz
Output power	+4dBm(max), 0dBm (AVE) power class 2
Maximum range	Line of sight approx. 10 meter
Handsfree profile (HFP)	Yes
Serial port profile (SPP)	Yes
Advanced audio distribution profile (A2DP)	Yes
Audio Codec	SBC/AAC
Audio/Video remote control profile (AVRCP)	Yes
Phonebook access profile (PBAP)	Yes

Accessories

Release keys	2 pieces
Escutcheon	Yes
Installation Sleeve	Yes
DC cord (Mitsumi to ISO)	15 cm
Handsfree Microphone	with 3 m cable

General Specifications

Operating voltage	14.4V (10.5 ~ 16V Allowable)
Maximum Current Consumption	10A
Dark Current Consumption	Below 1mA
Dimensions (WxHxD)	182 x 111 x 158mm
Weight	1700 gr.
Operation Temperature Range	-10°C ~ 60°C
Instruction Manuals	Multi-language quick Guide