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???????????????????? Red key & white display illumination. CD player. MP3/WMA/WAV/FLAC playback. 3-band EQ built-in. 1 RCA (rear/sub switchable) Preout (2,5V)

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Key Features

- 13 Digits vertical alignment LCD display.
- Red key & white display illumination.
- Dual Accent Key.
- FM (RDS) / AM (MW/LW) tuner (24presets).
- CD player.
- Illuminated front USB with dust cover (1,0A).
- MP3/WMA/WAV/FLAC playback.
- Android music playback.
- 3-band EQ built-in.
- 1 RCA (rear/sub switchable) Preout (2,5V)

General Features

DIN Size	1 DIN
Detachable Faceplate	Yes
Key Illumination	Blue LED
Rotary Encoder & Control Knob	Yes
Dual Accent Key	Audio settings & Easy EQ
Back-up Memory	Radio presets
Attenuator with Smooth Volume Return	Yes
Touch Sensor Tone	Yes
Digital Clock (24H)	Yes
Clock display when power-off	default off
All-off Select (20/40/60 minutes)	Yes
Built-in Connector	Mitsumi, 16 pin
ISO connector	Yes, Mitsumi to ISO cable
USB interface x 1	Yes, (Front)
Firmware upgradable	Yes

Display Features

Display Type	Liquid Crystal Display (LCD)
Display Layout	13 Segments x 13 Digit
Vertical Aligment Liquid Crystal Display	Yes
Display Illumination	White (LED)
Dimmer Control	Manual / Set by Timer
Brightness control	0 - 31 steps
Demo Mode	Yes
Menu text in selectable language	English(default) / Spanish / French / Russian

Cosmetics features

Dress plate	Piano Black
Preset key finish	Piano Black
Escutcheon finish	Black Injection

Volume & operation knob or wheel	Piano black with chrome finished ring
Triangle Illumination	Red LED
Front terminals dust cover	Yes
Key illumination	RedLED
Illuminated front USB port	Red LED
Brightness Control (Key)	0 - 31 step
Dimmer Control (Key)	Manual / Set by Timer
Brightness zone concept	2 zone brightness control

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

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 Playback with ID3 Tag Display	Yes
WMA (Windows Media Audio) Playback	Yes
CD Text with special Character Support	English(default) / Spanish / French / 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 with dust cover
USB Type	2.0 High speed
Kenwood Music Control App for Android	Yes, (with Android OS 4.1 ~ 7.0)
MP3, WMA, 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

Audio Features

Maximum Output Power	50W x 4
MOSFET Power IC	Yes
Auxiliary Type	Mini-jack, front panel
Pre-out	1 RCA
Pre-out Output Level	2.5V

Preout Rear / Subwoofer Switchable	Yes
Subwoofer Reference Level Adj.	Yes
Tone Control / Easy EQ	3-Band, 8 Presets
Balance/Fader/Loudness Control	Yes
Bass Boost Circuit	Off/+1/+2/+3/+4/+5
Att.(-20dB) with smooth Volume Return	Yes
Parametric Equalizer + Presets	3-Bands Parametric Equalizer with 8 Presets.
Low-pass Filter	Yes
Speaker Size Control	Yes, Off / 5" or 4" / 6*9" or 6" / OEM
Kenwood Sound Reconstruction	Yes
Drive EQ	Yes

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	1 RCA: Rear/Subwoofer (selectable)
FM Antenna Input	JASO connector

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
WAV Format	RIFF waveform Audio Format (only for LinearPCM)
FLAC Format	FLAC files (up to 48kHz/16bit)

CD Specifications

Laser Diode	GaAIAs
Digital Filter(D/A)	8 Times Over Sampling
Digital/Analogue Converter	16 Bit
Wow & Flutter	Below Measurable Limit
Frequency Response	20Hz ~ 20kHz (±1dB)
Total Harmonic Distortion	0.01% (1kHz)
Signal to Noise Ratio	92dB (1kHz)
Dynamic Range	88dB
Channel Separation	83dB
MP3 Decoder	Compliant with MPEG-1/2 Audio Layer-3
WMA Decoder	Compliant with Windows Media Audio

USB Specifications

USB Version compatibility	USB 1.1/2.0 full speed
File System	FAT 32/16/12
Maximum Supply current	1000mA
D/A Converter	16 bit
MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
WMA Decode	Compliant with Windows Media Audio
WAV Decode	Linear - PCM Files
flac Decode	FLAC files up to 48kHz/16bit

Audio Specifications

Maximum Power	50W x 4
Output Power (DIN45324,+B=14.4v)	22W x 4
Output frequency band	20Hz ~ 20kHz
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
Bass Tone Control	100Hz ±8dB
Middle Tone Control	1kHz ±8dB
Treble Tone Control	12.5kHz ±8dB
Low Pass Filter Frequency (Hz)	Through/85/120/160Hz
Subwoofer Level (dB)	-15 dB to +15dB

Accessories

Release keys	2 pieces
Escutcheon	Yes
Installation Sleeve	Yes
DC cord (Mitsumi to ISO)	15 cm

General Specifications

Operating voltage	14.4V (10.5 ~ 16V Allowable)
Maximum Current Consumption	10A
Dark Current Consumption	Below 1mA
Dimensions (WxHxD)	182 x 53 x 155.5mm
Weight	1200 gr.
Operation Temperature Range	-10°C ~ 60°C
Instruction Manuals	Multi-language quick Guide