

DNX5190DABS

Key Features	6.8" WVGA clear resistive touch screen
	DAB+ tuner built in
	Bluetooth handsfree & Audiostreaming
	Ready for Apple CarPlay & Android Auto via USB
	Spotify App ready
	DSP - DTA - 13 band EQ
	up to 3 camera inputs
	Advanced DashCam link for optional DRV-N520
	Gamin navigation system built-in
	Map care until 2028 version
	1x AV-in / 1x AV-out / 2x Camera-in
	3 RCA high power (4V) preouts (front/rear/sub)
	Compatible with High Res Audio

General Features	DIN Size	2 DIN
	Security Code Function (user set)	Yes, 8-digit code
	On Screen Display (OSD) Operation	Yes
	Smooth GUI	Yes
	Selectable GUI Background Wallpaper	Yes
	Key Illumination	Variable colour
	Installer Memory	Yes
	Back-up Memory	Yes
	Attenuator with Smooth Volume Return	Yes
	Touch Sensor Tone	Yes
	Optional IR remote controller	Yes, KNA-RCDV331
	Digital Clock (24H)	Yes
	Built-in Bluetooth	Yes
	Navigation unit built-in	Yes
	DAB Tuner Built-in	Yes
	Made for iPhone	Yes
	Works with Apple CarPlay	Yes
	Works with Android Auto	Yes
	Firmware upgradable	Yes
	HDMI input	for video playback
	Dashcam Link	Yes

Multimedia GUI Features	OSDC Type	Graphic
	Variable Colour illumination	Yes, 32766
	Menu text	22 languages: ▶ English(UK)(Default) ▶ English(US) ▶ Spanish ▶ French ▶ German ▶ Italian ▶ Dutch ▶ Russian ▶ Portuguese ▶ Chinese (Simplified) ▶ Chinese (Traditional) ▶ Thai ▶ Turkish ▶ Arabic ▶ Persian ▶ Hebrew ▶ Greek ▶ Malaysian ▶ Indonesian ▶ Polish ▶ Czech ▶ Hungarian
	Software updates (SoC)	via USB
	Graphics Type	Graphics
	Spectrum Analyzer	Yes
	Demonstration Mode	Yes
	Top Menu Customize	Yes
	Opening Screen Type	standard
	Customize short-cut keys on home screen	yes
	Wallpaper customizable	6 preset (4x Static, 1x Colour customize, 1x Sync album art) + 2x User set
	Display customize (capture)	Yes
	Animation	Yes
	Slide Touch Operation	Yes
	Screen Capture	Yes
	R-CAM interrupt	Yes
	R-CAM Caution On Screen Display	Yes
	R-CAM Parking Guide Lines	Yes, customizable
	Front Camera Interruption	Yes
	DashCam Control (DashCam Link)	Yes

Monitor Features	LCD type	6,8 inch Wide VGA
	Display Type	Glare
	Display film	Anti Fingerprint
	LCD backlight	LED
	Touch Panel	Clear resistive
	Display Mode	3 Mode (Full(default)/Auto/Normal)
	Display full mode	default
	Display auto mode	Full - Normal / Regular
	Screen Adjustments	Noon/Night Mem/Brightness/Tint/Colour/Contrast/Backlight.
	Screen adjust: Noon / Night Memory	Yes
	Dimmer function	Manual/Sync/Navi Sync
	Dimmer Level	Auto/On/Off
	Visual Source Mode	CarPlay/Android Auto.
	Mechanism Tilt Adjustment	none (fixed faceplate)
	LCD viewing angle control	"0° (Default) / °.1° / °.2° / °.3°
	NTSC/PAL Judge	Yes (Auto)
	Display Off Mode	Yes

Audio features	Max. Output Power (MOSFET Power IC)	4 x 50W
	Pre-out	3RCA: Front/Rear/Subwoofer
	Pre-out Output Level	4V
	Volume Offset	Yes
	2 Zone Control	Yes
	Balance/Fader Control	Yes
	Att.(-20dB) with smooth Volume Return	Yes
	Equalizer	Yes, 13 Band Graphic EQ
	Digital Sound Processor (DSP)	Yes
	Digital Time Aligment (DTA)	Yes
	Beep On/Off	Yes

Multimedia DSP Features	DSP Chip	AK7738
	Position Control	Yes
	Position Preset	4 Presets
	Graphic Equalizer	13 bands
	G-EQ KBS	Yes, 8 x Preset + 4 x User set
	G-EQ manual setting	Yes
	G-EQ adjustable level	Yes, -9 / ... /+9 dB
	High Pass Filter (HPF)	Yes (Front/Rear/Center)
	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
	3-Way X'Over	Yes
	Source DSP Memory	Yes
	Channel Level Control	Yes
	Space Enhancer	Yes
	Sound Realizer	Yes
	Loudness	Yes
	Stage EQ	Yes
	Tweeter volume	Yes
	Bass Boost	Yes
	Hi-Resolution Audio	Yes
	Car type control	▶ Off ▶ Compact ▶ Sedan ▶ Wagon ▶ Minivan ▶ SUV ▶ Passenger Van
	Speaker Size & Location Control	Yes

Video Features	Audio Video Output	Yes, Video: RCA, Audio: mini-jack
	Audio/Video Input	Yes, Video & Audio mini-jack
	HDMI input	Yes
	Video-In for Rear-view Camera	1 dedicated video input (RCA)
	Detection Mode Rear View Camera	Reverse sensor wire
	(Rear) camera display view control	Yes
	Parking Guide Line	Yes
	MPEG Decoder	Yes, (audio) 2ch downmix

Tuner Features	Tuner Type	Lithio
	FM Reception	Yes
	FM Stereo / Mono Selector	Yes
	AM (MW/LW) Reception	Yes
	Frequency step selectable	Yes
	Tuning mode	Auto1/Auto2/Manual
	Up/Down Seek/Scan	Yes
	Station Select	List
	Tuner Presets (FM/AM)	20 Presets (15FM / 5AM)
	Automatic Memory Entry (AME)	Yes
	Radio Data System	Yes
	Radio Text Plus	Yes
	Traffic Information	Yes
	Local search	Yes
	Enhanced Other Networks Function (EON)	Yes
	Program Type Function (PTY)	Yes

CE DAB tuner features	DAB+ tuner built-in	Yes
	DAB-DAB/DAB-FM auto switch	Yes
	Seamless DAB-FM blending	Yes
	Tuning mode / Seek mode	Auto1/Auto2/Manual
	Service preset	15 ch * 1 bank presets,
	Preset list	Yes
	Alphabet Search	Yes
	Service list by alphabet order	Yes
	Intelligent seek	Yes
	Traffic Information	Yes
	DLS (Dynamic Label)	Yes
	DMB Audio (Digital multimedia broadcasting)	Yes
	PTY (Programme Type) search	Yes
	PTY (Programme Type) watch	Yes
	Soft linking	Yes
	Antenna power supply on/off switch	Yes
	Digital Radio Certification Mark	Yes

Playable Audio File	AAC (*.m4a) files are playable	USB/SD/Disc
	AAC (*.aac) files are playable	USB/SD/Disc
	MP3 files are playable	USB/SD/Disc
	WMA (.wma) files are playable	USB/SD/Disc
	WAV (.wav) files are playable	USB/SD/Disc
	FLAC files are playable	USB/SD/Disc

CE_Playable Video file	MPEG1/2 files are playable	USB/SD/Disc
	MPEG4 files are playable	USB/SD/Disc
	WMV files are playable	USB/SD/Disc
	H.264 files are playable	USB/SD/Disc
	mkv files are playable	USB/SD/Disc
	JPEG files are playable	USB/SD/Disc
	BMP files are playable	USB/SD/Disc
	PNG files are playable	USB/SD/Disc

DVD-Features

Disc Capacity	1 Disc(s)
DVD Region Code	2 (Europe)
DVD-Video	Yes
DVD±R/RW Compatible	Yes
CD-DA	Yes
CD-R/RW Compatible	Yes
CD-DA Repeat/Scan/Random play	Yes
Jacket Picture with Tag	Yes
Supported audio files	Linear PCM/Dolby Audio/MP3/WMA/AAC/WAV/FLAC/Vorbis
Supported video files	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
Zoom Control (DVD/VCD)	Yes
MPEG Audio	2Ch Downmix
Down mix	Yes, 2ch for Dolby Audio & MPEG Audio
2nd Disc Prevention Mechanism	Yes
Digital/Analog Converter	24/32 bit
Time Code Display	Yes
Skip/Search	Yes
Random Play	Folder
Repeat Play	Folder/File/All
Time Code Display	Yes
Resume Play / Last Position Memory	Yes
Disc Menu Direct Touch	Yes

USB Features

Rear USB Terminal	Yes, x2
USB Type	2.0 High speed
USB extension cable supplied	2x 1 meter
Works with Android Auto	Yes
Supported audio files	MP3/WMA/AAC/WAV/FLAC/Vorbis
Supported video files	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
Tag Information Display	Yes
Album Art Display	Yes
Repeat/Scan/Random search	Yes
Repeat / Random Play	Yes
Repeat Play	Folder/File/All
Random play	Folder
Category search	Yes
Last Position Memory / Resume	Yes
Time code display	Yes

iPhone Features	USB Direct Control (Audio, 1 wire, Lightning-connector)	with optional cable KCA-iP103
	Album art support	Yes
	Music library search	Yes
	Alphabet search	Yes
	Skip search	Yes
	Related search	Yes
	My playlist	Yes
	Control by hand	Yes
	App & iPod control mode	Yes
	Spotify App Link	Yes
	Works with Apple CarPlay	
	Reverse browsing	Yes
	Bluetooth Auto Paring for iPhone	Yes
	Battery charge + power control	Yes

Android Phone Control	Spotify Link for Android	Yes
	Works with Android Auto	

SD-card Features	SD card type:	Micro-SD / -SDHC / -SDXC
	Max capacity	2000 Gb
	Music playback	Yes
	Supported audio files	MP3/WMA/AAC/WAV/FLAC/Vorbis
	Supported video files	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
	Repeat play	Folder/File/All
	Random play	
	Alphabetical search	Yes
	Random & Repeat Play	Yes
	List access	Yes
	Resume play	Yes
	Jacket Picture with Tag	Yes

Bluetooth General Features	Max num. of regist. phones for HFP & A2DP	10 phones
	Hands Free Profile with High Sound Quality	HFP V1.7
	Max num. of regist. phones for HFP	5 phones
	2 phones full time connection	Yes
	Audio Streaming (A2DP)	Yes, (SBC/AAC)
	Max num. of regist. units for A2DP	5 units
	Serial Port Profile (SPP)	Yes
	Simple Secure Pairing (SSP)	Yes
	Phonebook Access Profile (PBAP)	Yes, Accessible phonebook entries & alphabet search
	Number of PBAP entries	Up to 1000 phonebook entries
	PBAP call history	Up to 50 entries of dialed, received and missed calls
	Audio/Video Remote Control Profile (AVRCP)	Yes, V1.6
	Multi Profile Support	Yes
	Easy pairing function	Yes
	iPhone & Android automatic pairing via USB	Yes
	KENWOOD Music Mix Support	Yes
	Catchphone / Call Waiting	Yes
	Private mode	Yes
	Interrupt call request	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
	Bluetooth phones to register	5
	High-quality noise canceling microphone	Included (rear wired)
	Bluetooth firmware upgradeable	Yes
	* depends on phone model/make	& Kenwood unit

Navigation Features

Guidance by Garmin	Yes
Touch-screen controllable	Yes
Graphical Resolution	WVGA
Inner Memory Size	16 GB
Built-in Map Data	OEM CN Europe NTU 2018 ALL North
Built-in Map Data	OEM CN Europe NTU 2018 ALL South
Map Coverage	Great Britain and Republic of Ireland • Great Britain: Full coverage • Scotland: Full coverage • Wales: Full coverage • Isle of Man: Full coverage • Northern Ireland: Full coverage • Ireland: Full coverage • Channel Islands: Full coverage • Gibraltar: Full coverage Denmark, Finland, Iceland, Norway, and Sweden • Denmark: Full coverage • Finland: Full coverage • Iceland: Full coverage • Norway: Full coverage • Sweden: Full coverage France and Benelux • Andorra: Full coverage • Belgium: Full coverage • France: Full coverage • French Guiana: Full coverage • Guadeloupe: Full coverage • Martinique: Full coverage • Netherlands: Full coverage • Luxembourg: Full coverage • Réunion: Full coverage • Saint Barthélemy: Full Coverage
Map Coverage	Italy, Austria, Switzerland, and Liechtenstein • Italy: Full coverage • Austria: Full coverage • Switzerland: Full coverage • Liechtenstein: Full coverage Malta • Malta: Full coverage Spain and Portugal • Spain: Full coverage • Portugal: Full coverage Gibraltar: Full coverage • Azores Islands: Full coverage • Canary Islands: Full coverage • Balearic Islands: Full coverage • Madeira: Full coverage Germany • Germany: Full coverage Czech Republic • Czech Republic: Full coverage Greece and Cyprus • Greece: Full coverage • Cyprus: Full coverage of Republic of Cyprus; Major urban areas with intertown roads in disputed areas
Map Coverage (Russia)	Eastern Europe • Estonia: Full coverage • Latvia: Full coverage • Lithuania: Full coverage • Poland: Full coverage • Czech Republic: Full coverage • Slovakia: Full coverage • Hungary: Full coverage • Slovenia: Full coverage • Croatia: Full coverage • Bulgaria: Full coverage • Romania: Full coverage • Turkey: Full coverage • Moldova: Major urban areas with intertown roads • Bosnia & Herzegovina: Full coverage • Serbia: Full coverage • Kosovo: Full coverage • Montenegro: Full coverage • Albania: Full coverage • Republic of Macedonia (FYROM): Full coverage • Belarus: Major urban areas with intertown roads • Ukraine: Full coverage
Map Update	Via download on micro-SD card
Map care	Free map updates until 2028 version (Starts after 20km first time driving)
Default Position	Depend on locale setting
3-Dimensional Map Display	Yes
2-Dimensional Map Display	Yes
Auto Zoom Function	Yes

Navigation Features

Voice Language	American English-Samantha, British English-James, British English-Kate, British English-Serena (Default), British English-Daniel.
Keyboard Language	American English, Arabic, British English, Bulgarian, Croatian, Czech, Danish, Dutch, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian(Cyrillic & latin), Simplified Chinese, Slovakian, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese.
Keyboard Layout	QWERTY or ABCDE
Destination Search	► Home ► Address ► Restaurants ► Petrol Stations ► Shopping ► personalise ► Categories • Restaurants • Shopping • Everyday Life • Petrol Stations • Banks & Cashpoints • Parking • Roadside Service • Art & Entertainment • Attractions • Recreation • Medical Care • Public Transport • Lodging ► Favourites ► History
Automatic Re-Route	Yes
Way Points (Favorites)	Yes
Traffic Message Channel Built-in	Yes
Easy-to-use Graphical Interface	Yes
ecoRoute™	Yes
Turn-by-turn' directions	Yes
Lane assist	Yes
Globe view (world mapping)	Yes
Customizable main menu	Yes
Localized road signs and auto text	Yes
Trip log output to PC via USB	Yes
Traffic Trend / My Trend	Yes
Traffic Trends	Yes
My Trends	Yes
Speedcamera alert	upload via USB (third party poi)
INRIX traffic	Yes
Speed Limit Indicator	Yes
Map Buttons and Map Tools	Yes
Door to Door Navigation (point addressing)	Yes
Points of intrest (POI)	Yes, more than 6 million points
Custom POI's	Yes
Smart POI Search	Yes
POI Call Button	Yes
Insta Search	Yes
Insta Route	Yes
Birds Eye lane guidance	Yes
Vehicle Position Sensing	by GPS
Day/Night Colour mode	Yes
Route Preference Function	Yes
GPS Info page	Yes
Phone call by POI search (Bluetooth Function)	Yes
Phone number search	Yes

Connectivity	USB interface	2 x USB 2.0 (pigtail)
	DC-Cord	Mitsumi to ISO
	Reverse sensor wire	Yes
	Parking sensor (handbrake) wire	Yes
	Power Control (PCON) wire	Yes
	2-way (Tel/Nav) mute wire	Yes
	Dimmer control wire	Yes
	Speedpuls input wire	Yes
	Amplifier pre-out	3 x RCA: Front/Rear/Subwoofer
	AV-Input	1x mini-jack (selectable: AV-in / Camera-in)
	AV Output	Video: RCA / Audio: mini-jack
	Available AV-Out source	DVD/AV-in/USB
	Rear View Camera Input	Dedicated RCA Video-in
	Front View Camera Input	selectable: Front / Dash-Camera-in
	HDMI input	Type A
	Front/Rear Camera Control Line	Yes
	Dashcam Link	Yes
	GPS Aerial Input	HRS GT5-1S connector
	FM Antenna Input	IASO connector
	DAB Aerial input	SMB connector
	External microphone input	3,5mm mini-jack
	OEM Wired Remote Control ready	Yes, with optional Plug & Play cable + interface
	OEM Display Control ready	Yes, Optional interface (KIM) needed
	Learning Steering Remote Function	Yes
	Display input/output control	Yes
Monitor Specifications	Screen size (Diagonal)	6.75 Inches Wide
	Screen Size (WxH)	151.8 x 79.68mm
	Display system	Transparent TN LCD Panel
	Drive system	TFT Active Matrix System
	Number of Pixels	115200pixels (800(H) x 480(V) x RGB)
	Effective pixels	99.99%
	Pixel arrangement	RGB Striped
Video Specifications	Back lighting	LED (Light Emitting Diode)
	Color System of External Video Input	NTSC/PAL
	External video input level (mini-jack)	2 Vpp / 25 Ohm
	External audio max. input level (mini-jack)	2 Vpp / 25 kOhm
	Video input level (RCA)	1 Vpp, 75 Ohms
	Video Output Level (RCA)	1 Vpp / 75 Ohm
	Audio Output Level (mini-jack)	0.9 Vpp / 10 kOhm
	HDMI - VGA input resolution	640x480p @59.94Hz/60Hz
	HDMI - 480p input resolution	720x480p @59.94Hz/60Hz
	HDMI - 720p input resolution	1280x720p @59.94Hz/60Hz
Audio Specifications	HDMI - input Audio type	16/20/24-bit Linear PCM
	Maximum Power	50 W x 4
	Output Power (DIN45324,+B=14.4v)	22 W x 4
	Output frequency band	20 Hz ~ 88 kHz
	Preout Level	4000 mV / 10 kOhm,
	Preout Impedance	≤ 300 Ohm
	Speaker Impedance	4 Ohm ~ 8 Ohm

DSP Specifications

Frequency band	62.5/100/160/250/400/630/1k/1.6k/2.5k/4k/6.3k/10k/16k
Equalizer Gain	-9db ~ +9db
Q Control	0.25/ 0.50/ 1.00/ 2.00
High Pass Filter frequency	Through/30 ~ 250 (Hz)
High Pass Filter Slope	-6/-12/-18/-24 dB/Oct
Low Pass Filter frequency	30 ~ 250(Hz)/Through
Low Pass Filter Slope	-6/-12/-18/-24 dB/Oct
Time Alignment	0 — 610cm(1 cm step)
Speaker type - Center	▶ NONE ▶ 40mm X 70mm ▶ 5cm ▶ 10cm ▶ 13cm ▶ 16cm OVER
Speaker type - Front	▶ O.E.M. ▶ 10cm ▶ 13cm ▶ 16cm ▶ 17cm ▶ 18cm ▶ 4" x 6" ▶ 5" x 7" ▶ 6" x 8" ▶ 6" x 9" ▶ 7" x 10"
Speaker type - Rear	▶ NONE ▶ O.E.M ▶ 10cm ▶ 13cm ▶ 16cm ▶ 17cm ▶ 18cm ▶ 4" x 6" ▶ 5" x 7" ▶ 6" x 8" ▶ 6" x 9" ▶ 7" x 10"
Speaker type - Sub woofer	▶ NONE ▶ 16cm ▶ 20cm ▶ 25cm ▶ 30cm ▶ 30cm over
2-Way X'over / Front/Rear (HPF) / Frequency	Through, 30/40/ ~ / 220/250Hz
2-Way X'over / Front/Rear (HPF) / Slope	-6/-12/-18/-24 (dB/oct)
2-Way X'over / Subwoofer (LPF) / Frequency	30/40/ ~ / 220/250Hz, Through
2-Way X'over / Subwoofer (LPF) / Slope	-6/-12/-18/-24 (dB/oct)
3-Way X'Over / High Pass Filter Frequency	Through, 30/40/ ~ / 220/250Hz
3-Way X'Over / High Pass Filter Slope	Through, 30/40/ ~ / 220/250H, Trough
3-Way X'Over / Band Pass Filter Frequency	-12/-18/-24 (dB/Oct
3-Way X'Over / Band Pass Filter Slope	-12/-18/-24 (dB/Oct)
3-Way X'Over / Low Pass Filter Frequency	30/40/ ~ / 220/250Hz, Through
3-Way X'Over / Low Pass Filter Slope	-12/-18/-24 (dB/Oct
Subwoofer Level	-50dB ~ 10dB
Position: 3-Way (Tw/Mid/Sub) Delay	0cm ~ 610cm (1cm step)
Postion Gain	-8dB ~ 0dB
Car type control	▶ Off ▶ Compact ▶ Sedan ▶ Wagon ▶ Minivan ▶ SUV ▶ Passenger Van
Equalizer Type	Graphic
Frequency band	13 bands

Tuner Specifications	FM range: 87.5Mhz - 108MHz (50Khz step)	Yes
	FM Usable Sensitivity	9.3µV/75ohm (S/N 30dB)
	FM Quieting Sensitivity	15.2µV/75ohm (S/N 46dB)
	FM Frequency Response	30Hz ~ 15kHz (± 3dB)
	FM Signal to noise ratio (Mono)	65dB
	FM Selectivity(DIN)	over 80dB (±400kHz)
	FM Stereo Separation (1kHz)	45dB
	MW range: 531kHz - 1611kHz (9kHz step)	Yes
	MW Usable Sensitivity	25µV
	LW range: 153kHz - 279kHz (9kHz step)	Yes
	LW Usable Sensitivity	45µV

DAB Tuner specifications	Band III - Frequency range	174.928 MHz - 239.2MHz
	Mode	I, II, III, IV
	Sensitivity	~ 100dBm
	Signal to noise ratio	90dB
	Audio format	MPEG1 Audio Layer II / MPEG4 HE-AAC V2
	DAB Aerial Connector Type	SMB
	Output Voltage	14.4V (11V to 16V allowable)
	Maximum Current	< 100 mA

USB Specifications	USB Version compatibility	USB 2.0 High Speed
	File System	FAT 16/32 / exFAT / NTFS
	Maximum Supply current	1500mA
	D/A Converter	24/32 bit
	Video Decoder	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
	Audio Decoder	MP3/WMA/AAC/WAV/FLAC/Vorbis
	Frequency Response	22Hz - 88kHz
	S/N Ratio	98.5 dB (1kHz)
	Dynamic Range	89dB

SD-card specs	Compatible SD cards	micro-SD / mirco-SDHC / micro-SDXC
	File system	FAT 16/32, exFAT, NTFS
	Maximum capacity	2000 GB
	Data transfer rate	Maximum 25 Mbps
	Video decoder	MPEG1/MPEG2/MPEG4/WMV/H.264/MKV
	Audio decoder	MP3/WMA/AAC/WAV/FLAC/Vorbis

Bluetooth specifications	Technology	Bluetooth V5.0
	Frequency	2.4202 - 2.48 GHz
	Output power	+4dBm(max), power class 2
	Maximum range	Line of sight approx. 10 meter
	Handsfree profile (HFP)	Yes, V1.7
	Serial port profile (SPP)	Yes
	Advanced audio distribution profile (A2DP)	Yes
	Audio Codec	SBC/AAC
	Audio/Video remote control profile (AVRCP)	Yes, V1.6
	Phonebook access profile (PBAP)	Yes
Multi Profile Support		Yes
Navigation specifications	Receiver type	High sensitivity GNSS receiver
	Acquisition time cold	< 26 sec
	Update rate	1/sec continuous
	Position accuracy	< 2 meters/typical
	Velocity accuracy	0.05 meter/sec RMS
	Positioning method	GPS
	Antenna	External GPS antenna
Accessories	Release keys	2 pieces
	Escutcheon	Yes
	Installation Sleeve	Yes
	DC cord	25 cm
	usb extension cable	2 pieces, 1 meter
	GPS antenna	with 3 m cable
	GPS Antenna Ground Plane Mount (Adhesive Metal Pad)	Yes
	Handsfree Microphone	with 3 m cable
	Multi-Language Instruction Manual Included	Quick Guide
Manuals Downloadable		Yes
General Specifications	Operating voltage	12V (10.5 ~ 16V Allowable)
	Maximum Current Consumption	15A
	Dimensions (WxHxD)	182 x 112 x 153mm
	Weight, inclu. sleeve & escutcheon	2100 kg