News Release

Reporting materials

Product name	Model number	Release period
10.1" Full HD Capacitive / Apple CarPlay / Android Auto™ / Bluetooth® / USB / DSP Main unit	DMH-ZF9650BT	Sept'24

Pioneer Electronics AsiaCentre Ptd Ltd, a leader in aftermarket mobile electronics, introduces the DMH-ZF9650BT, its latest in-dash receiver featuring an advanced 10.1-inch large screen display and compatibility with several automotive connectivity solutions - 'Officially Certified' Apple CarPlay, Android Auto™, Bluetooth®, and WebLink®. The DMH-ZF9650BT provides advanced usability due to its unique User Interface (UI) with shortcut keys for frequently used functions, as well as a new remote-control App called "PxLink".

The unique design of the DMH-ZF9650BT greatly increases installation flexibility due to its universal 1-DIN size chassis and 10.1-inch display that can be installed as a floating type, protruding from the front surface of the dash1, or as an in-dash type, mounted flush in the radio location of compatible vehicles or installation dash kits2. Additionally, carefully selected audio parts and a 48-bit dual core DSP are included for that clear and comfortable high-fidelity sound that you expect from Pioneer. Pioneer Display audio product page: https://pioneercarentertainment.com/products/dmh-zf9650bt/
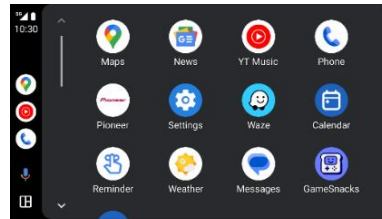
【Main features】

1）Wireless and wired smartphone connectivity

The DMH-ZF9650BT features connectivity specifically designed to support a connection between the driver or passenger's smartphone and the receiver.

- Apple CarPlay (wireless / wired) - The DMH-ZF9650BT is compatible with Apple CarPlay and supports connecting to a compatible iPhone using either a wireless connection or a wired USB connection. Apple CarPlay is a smarter, safer way to use your iPhone while you drive. You can get directions, make calls, send, and receive messages, and enjoy your favorite music.

- Android Auto (wireless / wired) - The DMH-ZF9650BT is compatible with Android Auto and can be connected wirelessly via Wi-Fi and Bluetooth® or wired via USB cable to a compatible Android™ smartphone. Android Auto is a simpler, safer way to use your phone in the car.   Get all your favorite maps, media, and messaging apps on your car display.
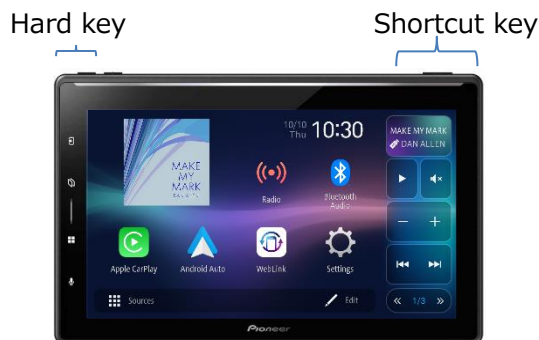
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【"Apple CarPlay"】　　　　　　　　　　　　　【"Android Auto"】

- Bluetooth® Wireless Connectivity - Built-in Bluetooth® wireless connectivity provides convenient hands-free calling and music streaming with compatible Bluetooth® enabled devices. Users can pre-register up to 5 smartphones, enabling hands-free calling and/or music to be streamed from any previously paired phones, eliminating the need to pair and unpair devices.

- WebLink® - The WebLink®[3] app turns your vehicle into a connected car by letting you easily enjoy your favorite apps on the go. Once you've downloaded the app, simply use your phone / tablet and the cloud to connect to your car's WebLink® - compatible Pioneer receiver, and then launch popular navigation, media, weather, and even calendar apps.

  Click here for details of WebLink®: https://helloweblink.com/

2) A new interface that allows for intuitive and smooth operation

Frequently used functions such as music play/stop, mute function, equalizer settings, and radio settings can be operated using "Shortcut keys" on the home screen, and the layout of function icons can be customized to your liking, allowing for intuitive and smooth operation. In addition, the electrostatic flat type hard keys are equipped with operation keys that directly access to the "Apple CarPlay" and "Android Auto" screens from various operation.

【Home Menu】　　　　　　　　　　　【Apple CarPlay and Pioneer unit's short cut key】

3）Enhanced usability with a newly developed smartphone app.

By installing the new Pioneer free App "PxLink"[4] on compatible iPhone or Android smartphones, it is possible to use an iPhone or smartphone (Android OS) as a remote control or control panel for the MODEL NAME. In addition to being able to easily change the sound setting without exiting from the displayed screen, it also makes it easy to customise the menu and update the firmware Over-The-Air (OTA).

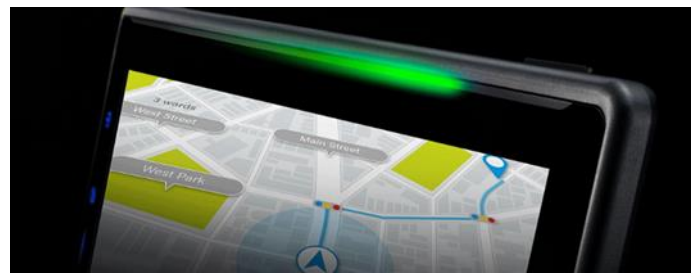【App icon】 【Audio control during displaying Maps】 【Firmware update via Smartphones】

4) Illumination feature to enhance driving experiences

Pioneer's unique Luminous bar supports your driving experience with such features as "Turn Guidance support for Apple Map", "Deterrent light, "Music Sync", etc.
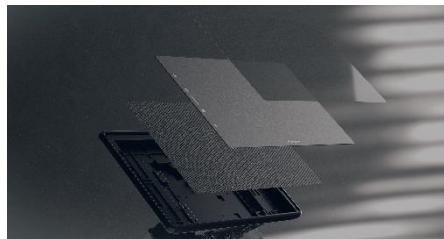

【Luminous bar】 【Turn Guidance Support】
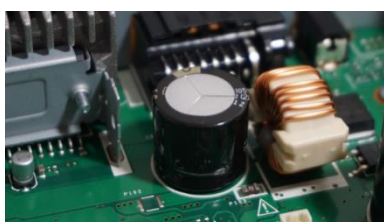
5）Advanced large screen Full HD resolution touchscreen

Capitalizing on its large 10.1" HD resolution（1280×720）touchscreen, the DMH-ZF9650BT supports multiple advanced display modes to improve the usability, visibility, and legibility of the user interface. The Minimum Gap design of the panel provides clear and wide-angle viewing.

【Panel design image】

6）Enhanced audio capabilities

In addition to using carefully selected audiophile-grade capacitors and other components optimized for sound quality, the DMH-ZF9650BT features a custom high-performance 48-bit dual-core DSP that enables advanced sound quality tuning and adjustability. Pioneer-developed audio enhancements such as Manual Time Alignment and Network Mode can provide adjustment of each speaker to create an optimal sound field specific to the user's listening position, while the 13-band graphic equalizer allows fine-tuning of output across the audible frequency spectrum. The DMH-ZF9650BT is also equipped with Pioneer's Advanced Sound Retriever (ASR), which enhances compressed sound sources.

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【Carefully selected audio parts】

7）Other characteristics

Light / Dark mode for enhanced visibility – By changing the colors of the UI background and text, visibility and legibility can be optimized based on the ambient light conditions, such as day or night.　Light mode is intended to reduce the effect of ambient light reflections in bright conditions (daytime), while Dark mode may help to reduce screen glare in dark conditions (nighttime).　Light / Dark mode can be selected manually or set to automatically correspond to the time of day and/or illumination settings of the vehicle[6].

【Light mode】　　　　　　　　　　　　　　　【Dark mode】

- Rear USB 2.0 port for smartphone connectivity (1.5A maximum current capability), audio playback of MSC/MTP devices, and software updates
- Rear AV input
- Rear camera input with parking guidelines compatible with many original equipment (OE) rear-view cameras (aftermarket adaptor required, sold separately) and most aftermarket universal rear-view cameras, including Pioneer's <insert local market model number> rear-view camera (sold separately)[7]
- Rear seat entertainment monitor video output terminal (RCA)[8]
- RCA preamplifier outputs (front/rear/subwoofer)
- An additional input where you can add a Second Camera

[1] Ensure that the monitor does not obstruct the driver's clear view of the road, impair the performance of any of the vehicle's operating system or safety features including airbags, indicators (lights) and hazard lamp buttons, or impair the driver's ability to safely operate the vehicle.

[2] In-dash type flush mount capability varies by vehicle and/or third-party installation kit availability, sold separately.

[3] The compatible smartphone must be connected to the DMH-ZF9650BT via USB and Bluetooth simultaneously to enable full WebLink functionality.

[4] Certain apps may restrict some functions, such as video and music playback.

[5] Smartphone apps available within WebLink are provided by third parties and are subject to change or discontinuation without notice.

[6] Requires connection to a compatible vehicle illumination circuit of the vehicle during installation.　Third-party installation adapter or interface may be required, sold separately.

[7] Rear visibility systems (backup cameras) are required under federal regulations in certain new vehicles according to a phase-in schedule that began on May 1, 2016.　Owners of vehicles equipped with compliant rear visibility systems should not install or use this product in a way that alters or disables that system's compliance with applicable regulations.　If you are unsure whether your vehicle has a rear visibility system subject to these regulations, please contact the vehicle manufacturer or dealer.

[8] Not all sources can be output to the rear video output.

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【Main Specifications】

■USB	
USB Class	MSC（Mass Storage Class）
File System	FAT16、FAT32、NTFS、exFAT
MP3 Decoding Format	MPEG-1, MPEG-2 and MPEG-2.5 AUDIO LAYER-3
WMA Decoding Format	Ver 9.2 Profile L1
AAC Decoding Format	AAC-LC (Low Complexity)
File System	FAT16、FAT32、NTFS、exFAT
WAV Signal Format	Linear-PCM (16,22.05,24,32,44.1,48,96,192[kHz])
FLAC Decoding Format	V1.3.0
JPEG Decoding Format	MSC mode only, MAX：7,680 (H) × 8,192 (W)、 MIN：32 (H) × 32 (W) （jpeg、jpg、jpe）
PNG Decoding Format	MSC mode only, MAX：576 (H) × 720 (W)、 MIN：32 (H) × 32 (W)
BMP Decoding Format	MSC mode only, MAX：936 (H) × 1,920 (W)、 MIN：32 (H) × 32 (W)
H.264 Decoding Format	Base Line Profile、Main Profile、High Profile
H.263 Decoding Format	Base Line Profile 0/3
VC-1 Video Decoding Format	Simple Profile、Main Profile、Advanced Profile
MPEG4 Decoding Format	Simple Profile、Advanced Simple Profile
MPEG2 Decoding Format	Main Profile
■Amplifier and common parts	
Monitor screen	10.1-inch HD (1280×720）
AV Input	Rear: φ3.5 mini ×1 system
USB input	Rear:×1 system
Back camera input	1 system
Audio Output (RCA)	1 system × front, 1 system × rear, 1 system × subwoofer
Maximum power output	50 W×4 ch
Mounting dimensions (floating type)	178 (W) mm × 50 (H) mm × 153 (D) mm
Mounting dimensions (in-dash type)	178(W) mm × 50(H) mm × 131(D)mm
Weight (floating type)	BODY：0.99kg MONITOR：0.79kg
Weight (in-dash type)	BODY：0.76kg MONITOR：0.75kg