

News Release

02 September 2024

Product name	Model number	Release period
9.0" WSVGA Capacitive / Apple CarPlay / Android Auto™ / Bluetooth® / USB / DSP Main unit	DMH-ZF7650BT	Sept'24



Pioneer Electronics AsiaCentre Pte Ltd, a leader in aftermarket mobile electronics, introduces the DMH-ZF7650BT, its latest in-dash receiver featuring an advanced 9.0" large screen display and compatibility with several automotive connectivity solutions including 'Officially Certified¹' Apple CarPlay, Android Auto™, Bluetooth®, and WeLink®. The DMH-ZF7650BT 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 "Pioneer PxLink Companion App".

The universal 1-DIN MODEL NAME keeps installation flexibility to suit many vehicles, and a 9.0" display that can be installed as a floating¹ type, protruding from the dashboard like a floating tablet. 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.

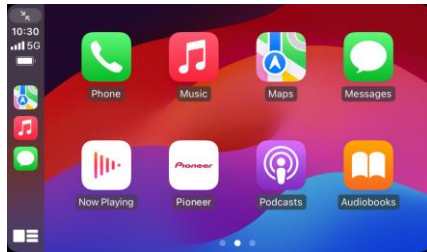
Pioneer Display audio product page: <https://pioneercarentertainment.com/products/dmh-zf7650bt/>

【Main features】

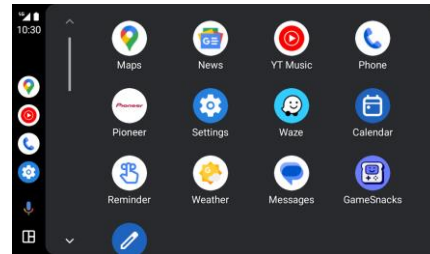
1) Wireless and Wired Smartphone Connectivity

The DMH-ZF7650BT features connectivity specifically designed to support a connection between the driver or passenger's smartphone and the receiver. Pioneer receivers are OFFICIALLY CERTIFIED by their suppliers for the latest smartphone connectivity features. In order to pass their strict standards, Pioneer has carefully selected the components. Pioneer provides more stable and reliable operation, with lower risk of trouble than unapproved models circulating in the market.

- Apple CarPlay (wireless / wired) - The DMH-ZF7650BT 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 favourite music.
- Android Auto (wireless / wired) - The DMH-ZF7650BT 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 favourite maps, media, and messaging apps on your car display.



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 favourite 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.

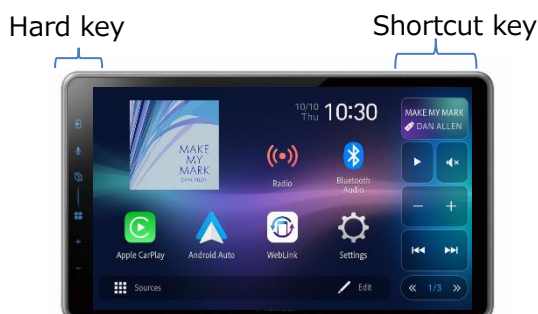
Click here for details of WebLink®: <https://helloweblink.com/>

2) Advanced Large 9.0" WSVGA Capacitive Touchscreen

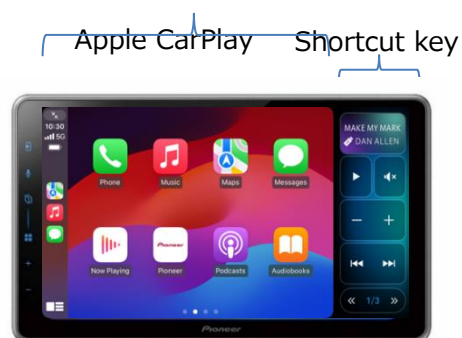
Capitalising on its WSVGA resolution (1024×600), the DMH-ZF7650BT supports multiple advanced display modes to improve the usability, visibility, and easy use of the new UI.

3) New Interface for Intuitive and Smooth Operation

Frequently used functions such as music play/stop, mute function, equaliser settings, and radio settings can be operated using "Shortcut keys" on the screen, 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 operations. You can even display Apple CarPlay and the receiver's menu at the same time on one screen. Useful when you want to operate the music (i.e. Radio or USB) while looking at the map screen.



【Home Menu】



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

4) Enhanced usability with Pioneer PxLink Companion App.

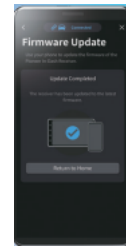
By installing the new Pioneer free App “PxLink”⁴ on compatible iPhone or Android smartphones, it is possible to use an iPhone or smartphone (Android OS) as a remote control or control panel for the DMH-ZF7650BT. In addition to being able to easily change the sound setting without exit from the displayed screen, it also makes it easy to customise the menu and update the firmware Over The Air (OTA).



【App icon】



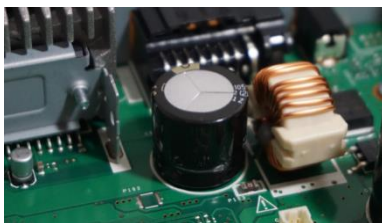
【Audio control during displaying Maps】



【Firmware update via Smartphones】

5) Enhanced Audio Capabilities

In addition to using carefully selected audiophile-grade capacitors and other components optimised for sound quality, the DMH-ZF7650BT 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 equaliser allows fine-tuning of output across the audible frequency spectrum. The DMH-ZF7650BT is also equipped with Pioneer’s Advanced Sound Retriever (ASR), which enhances compressed sound sources.



6) Other Characteristics

Light / Dark mode⁵ for enhanced visibility – By changing the colours of the UI background and text, visibility and legibility can be optimised 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.



【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 camera⁵ 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 ND-BC9 rear-view camera, sold separately.
- 3 x RCA Pre-Outs (Front / Rear / Subwoofer)
- Installability to suit most vehicles
- Vehicle Bus. (CAN-BUS support). Optional vehicle adaptor required, sold separately.

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. Installation varies by vehicle and third-party installation accessories required, sold separately.

² The compatible smartphone must be connected to the DMH-ZF7650BT via USB and Bluetooth[®] simultaneously to enable full WebLink[®] functionality. Certain apps may restrict some functions, such as video and music playback. Smartphone apps available within WebLink[®] are provided by third parties and are subject to change or discontinuation without notice.

³ Compatible smartphones required. App compatibility may vary by product and region. App available to download from your local app stores.

Only use Companion App when it is safe and legal in your location. Make sure your device is firmly secured where it will not interfere with vehicle operation or view of the road.

⁴ Requires connection to a compatible vehicle illumination circuit of the vehicle during installation. Third-party installation adapter or interface may be required, sold separately.

⁵ 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.

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Compatible Android phone and compatible active data plan required.

Some features and devices may not be available in all countries. Subject to availability. Some features and availability vary by OEM and/or device manufacturer.

Apple CarPlay and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries and regions.

Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards.

Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards.

Please note that the use of this product with iPhone, iPod, or iPad may affect wireless performance.

Apple CarPlay is not available in all languages and countries. Apple CarPlay operations and functions may vary depending on the iOS device or receiver.

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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)
USB Class	MSC (Mass Storage Class)
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	9.0" WSVGA (1024×600) Capacitive Touchscreen
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 × 156 (D) mm
Weight (floating type)	BODY: 1.03kg MONITOR: 0.76kg