**Dynavin N7-PS PRO**

# Dynavin N7-PS PRO Radio Navigation System User Manual

For Porsche Boxster, Cayman, Carrera, and 911 (2005-2012)

## 1. Introduction

The Dynavin N7-PS PRO is an advanced in-dash radio navigation system designed as an OEM-look replacement for specific Porsche models from 2005 to 2012, including Boxster, Cayman, Carrera, and 911. This system seamlessly integrates with your vehicle's factory components, such as steering wheel controls and the fiber optic audio system (MOST), providing modern features while maintaining the original aesthetic.

## 2. Important Safety Information

### Professional Installation Required

Installation of this device should only be performed by a trained specialist. Improper installation can lead to damage to the vehicle or the unit.

### Vehicle De-energization

Always ensure the vehicle is de-energized before beginning installation. In some cases, the vehicle's battery must be disconnected from the electrical system. Refer to your vehicle manufacturer's guidelines.

### Warranty Considerations

Modifying vehicle electronics may affect your vehicle's warranty. Consult your vehicle manufacturer's provisions before proceeding with installation.

## 3. Product Overview

The Dynavin N7-PS PRO features a 7-inch capacitive, anti-glare LCD touchscreen with a resolution of 1024 x 600. It is a double-DIN unit that offers a comprehensive suite of functionalities:

- **Integrated Navigation:** On-board GPS navigation with maps for North America, Europe, or Australia.

- **Smartphone Integration:** Apple CarPlay and Android Auto compatibility via USB.
- **Bluetooth Connectivity:** Hands-free calling and audio streaming.
- **Media Playback:** USB, micro SD card reader, AUX-in, CD/DVD player.
- **Radio:** AM/FM tuner.
- **Expandability:** Backup camera ready, SiriusXM compatible (SXV300 Tuner sold separately).
- **Audio Processing:** Integrates with DSP processor and supports factory amplifier systems.




*Figure 3.1: Dynavin N7-PS PRO main unit with home screen interface.*




*Figure 3.2: Dynavin N7-PS PRO integrated into a Porsche dashboard.*

# 4. Setup and Installation

The Dynavin N7-PS PRO is designed for plug-and-play integration into compatible Porsche models. It includes a MOST adapter to ensure seamless operation with the vehicle's fiber optic audio system.

## Installation Steps (Overview)

1. **Preparation:** Ensure the vehicle is de-energized. Disconnect the battery if required by the vehicle manufacturer.
2. **Removal:** Carefully remove the existing factory radio unit from the dashboard.
3. **Wiring:** Connect the Dynavin N7-PS PRO wiring harness to the vehicle's connectors. Ensure the MOST adapter is correctly integrated for fiber optic audio.
4. **Mounting:** Securely mount the Dynavin unit into the dashboard opening.
5. **Testing:** Reconnect the vehicle's battery and power on the unit to test all functions, including audio, navigation, and steering wheel controls.
6. **Final Assembly:** Reassemble any removed trim pieces.

*Note: Detailed vehicle-specific installation guides may be available from Dynavin or your installer.*

# 5. Operating Instructions

## Basic Operation

The unit is controlled primarily through its 7-inch capacitive touchscreen. The main menu provides access to various functions such as Radio, Navigation, Phone, Media, and USB.

## Radio Function

Access the AM/FM radio tuner from the main menu. Use the touchscreen to select stations, save presets, and access additional radio features.

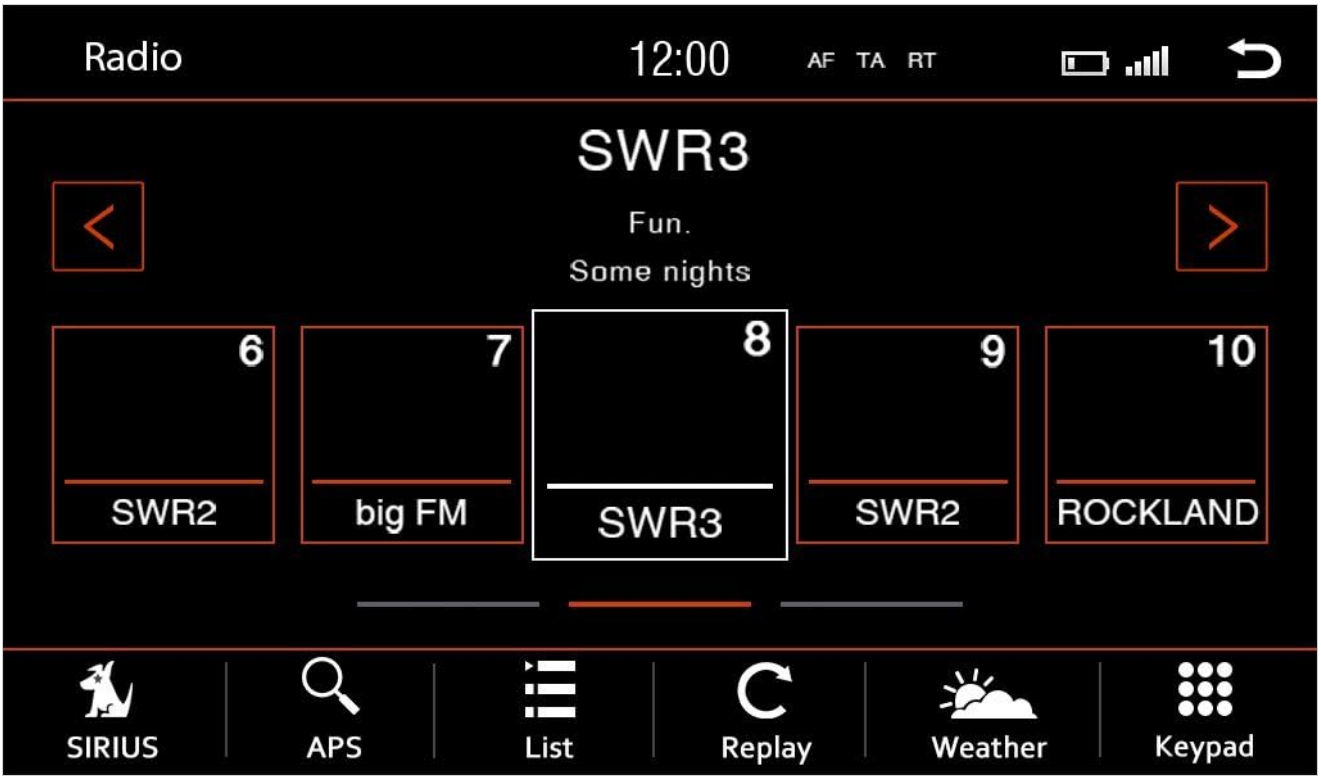



*Figure 5.1: Radio interface screen.*

## SiriusXM (Optional)

If you have installed the optional SXV300 Tuner, you can access SiriusXM satellite radio channels. Navigate through channels and categories using the touchscreen interface.




*Figure 5.2: SiriusXM interface screen.*

## Navigation

Select "Navigation" from the main menu to access the on-board GPS system. Enter destinations, view maps, and receive turn-by-turn directions.

### Bluetooth Connectivity

Pair your smartphone via Bluetooth for hands-free calling and audio streaming. Access your phone's contacts and call history directly from the unit.

### Apple CarPlay & Android Auto

Connect your compatible smartphone via USB to enable Apple CarPlay or Android Auto. This allows you to use supported apps, navigation, and communication features from your phone directly on the Dynavin screen.

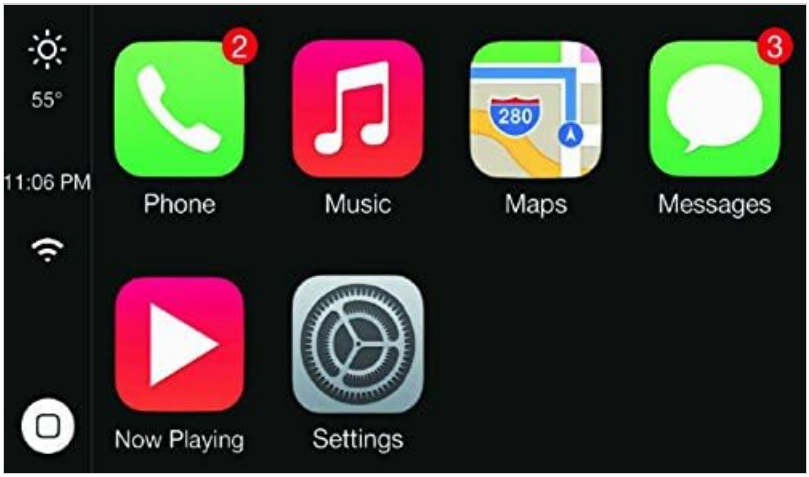



*Figure 5.3: Apple CarPlay interface screen.*

### Media Playback

The unit supports media playback from USB devices, micro SD cards, and CDs/DVDs. Insert the media into the appropriate slot or port and select the "Media" option from the main menu.

### Backup Camera

If a compatible backup camera is installed, the display will automatically switch to the camera view when the vehicle is shifted into reverse.

## 6. Audio Settings

### Sound Adjustments

Access the "Sound" menu to fine-tune audio output. This includes settings for equalizer, fader, balance, and subwoofer control.

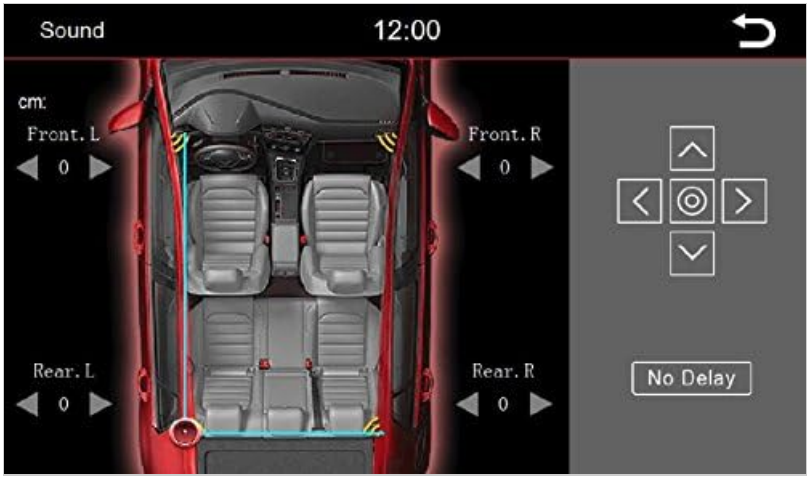



*Figure 6.1: Sound fader and balance settings.*

### Advanced Audio Options

The unit provides options to integrate with the vehicle's DSP processor and factory amplifier systems. Adjust settings such as confirmation tones, PDC (Park Distance Control) warning tones, and loudness.

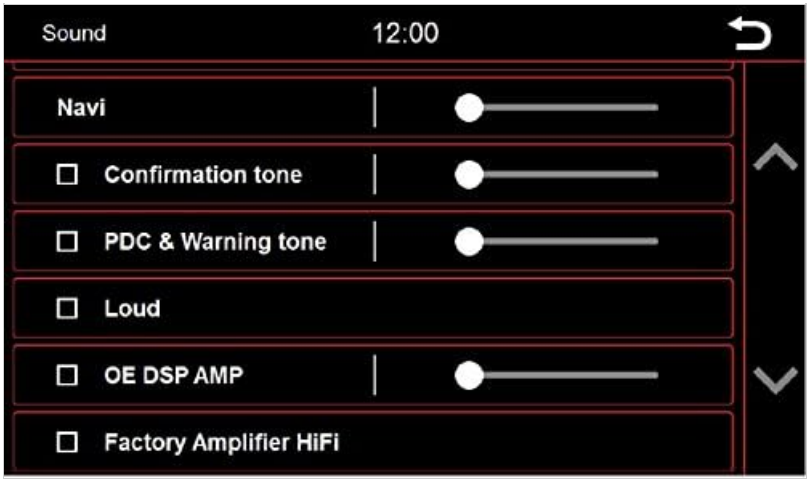



*Figure 6.2: Advanced sound settings menu.*

# 7. System Settings

### General System Configuration

The "System" menu allows you to customize various aspects of the unit's operation:

- **Region:** Set the geographical region for radio and navigation.
- **Color:** Adjust display color schemes.
- **Camera:** Configure backup camera settings.
- **Brightness:** Manually adjust screen brightness.
- **Time Zone:** Set the correct time zone.
- **Reverse:** Configure reverse gear display options (e.g., PDC+CAM).

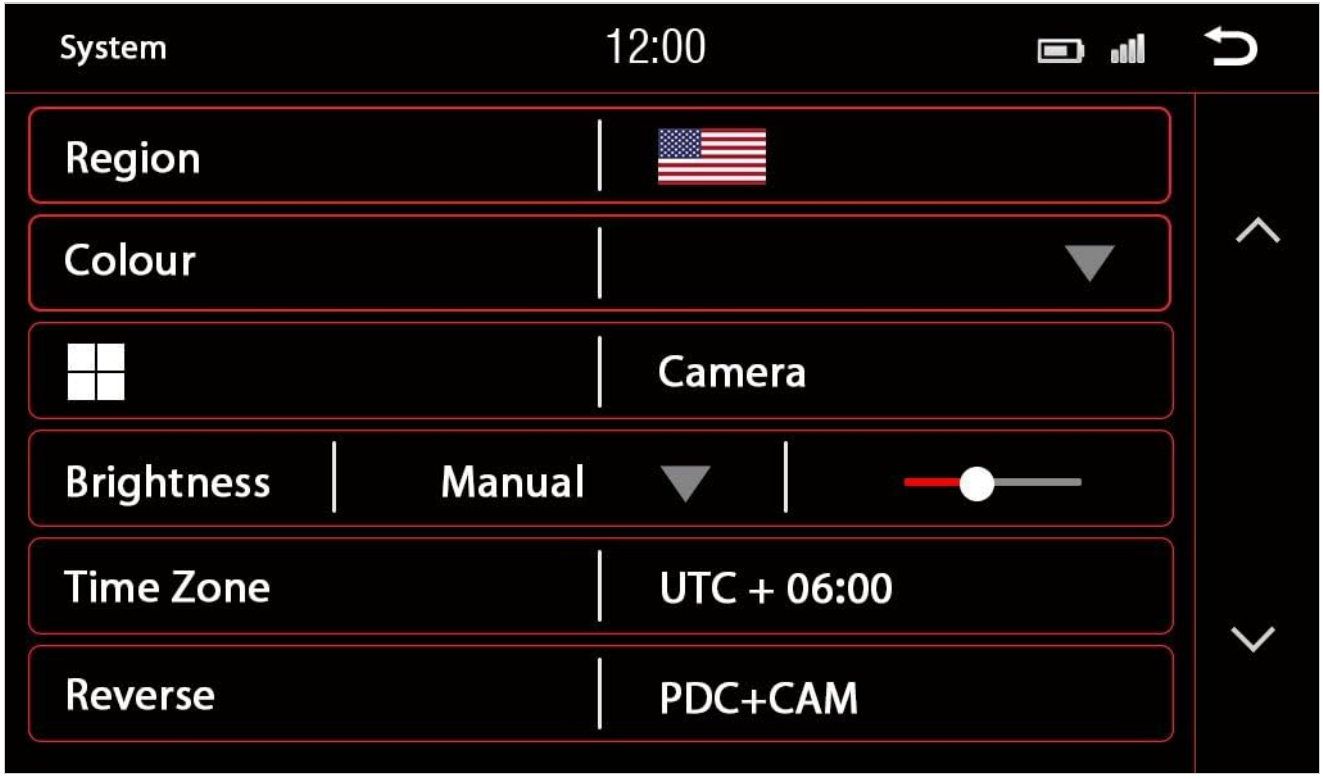



*Figure 7.1: System settings menu.*

# 8. Maintenance

## Care and Cleaning

To maintain the performance and appearance of your Dynavin N7-PS PRO, follow these guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and button areas.
- **Temperature:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Firmware Updates:** Periodically check for available firmware updates from Dynavin to ensure optimal performance and access to new features.

# 9. Troubleshooting

## Common Issues and Solutions

| Problem | Possible Cause | Solution |
|---|---|---|
| Unit does not power on | Incorrect wiring, blown fuse, vehicle battery issue | Check all power connections and fuses. Ensure vehicle battery is charged. Consult a professional installer. |
| No audio output | MOST adapter not connected correctly, incorrect audio settings, amplifier issue | Verify MOST adapter connection. Check audio settings (e.g., fader, balance, mute). Ensure factory amplifier is functioning. |
| GPS signal loss or inaccuracy | GPS antenna obstruction, poor satellite reception | Ensure GPS antenna has a clear view of the sky. Check antenna connection. Move to an open area. |
| Touchscreen unresponsive | Software glitch, screen calibration issue | Perform a soft reset (refer to specific device instructions). If issue persists, contact support. |
| Apple CarPlay/Android Auto not connecting | Faulty USB cable, phone settings, software incompatibility | Use a high-quality USB cable. Check phone settings for CarPlay/Android Auto permissions. Ensure phone OS and unit firmware are updated. |

*For issues not listed here or if solutions do not resolve the problem, please contact Dynavin customer support.*

# 10. Specifications

## Technical Specifications

| Feature | Detail |
|---|---|
| Brand | Dynavin |
| Vehicle Service Type | Car |

| Feature | Detail |
|---|---|
| Screen Size | 7 Inches |
| Special Feature | Capacitive, Anti-glare Touchscreen |
| Connectivity Technology | USB |
| Map Type | Australia & New Zealand, Europe, North America |
| Mounting Type | Dashboard Mount |
| Resolution | 1024 x 600 |
| Operating System | DynOS |
| Display Type | LCD |
| Human-Interface Input | Touchscreen |
| Compatible Devices | Smartphone |
| Batteries Included | No |
| ASIN | B07S9GHGGR |

## 11. Warranty Information

The Dynavin N7-PS PRO comes with a manufacturer's warranty. For specific details regarding warranty duration, coverage, and terms, please refer to the warranty card included with your product or visit the official Dynavin website. Keep your proof of purchase for warranty claims.

## 12. Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact Dynavin customer support. Contact information can typically be found on the official Dynavin website or in the documentation provided with your unit. When contacting support, please have your product model number (N7-PS PRO) and purchase details ready.