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Panasonic CN-R500D1

Panasonic Strada CN-R500D1 Digital Terrestrial Film Antenna & GPS Metal Sheet Set

Instruction Manual

1. Product Overview

This set provides essential components for enhancing your car navigation system's digital terrestrial television reception and GPS positioning accuracy. It includes genuine Panasonic Strada film antennas, antenna cords, and a GPS metal sheet. These components are designed to ensure optimal performance and reliable operation with compatible Panasonic Strada car navigation units.



Image 1.1: Overview of the Panasonic Strada Digital Terrestrial Film Antenna & GPS Metal Sheet Set.

Package Contents:

- Genuine Film Antennas: 4 pieces (2 for left side, 2 for right side)
- Antenna Cords: 4 pieces (2 for left side, 2 for right side)
- GPS Metal Sheet: 1 piece (Note: GPS antenna is not included in this set)

The genuine Panasonic Strada components are engineered to maximize digital terrestrial broadcasting reception sensitivity,

providing a stable and clear viewing experience. The GPS metal sheet is included to improve and stabilize the positioning performance of your car navigation system.

2. Setup and Installation

Proper installation is crucial for optimal performance. Please follow these general guidelines. Refer to your specific Panasonic Strada car navigation system's instruction manual for detailed wiring diagrams and connection points.

2.1. Film Antenna Installation

1. **Clean the Installation Surface:** Thoroughly clean the inner surface of your vehicle's windshield where the film antennas will be applied. Use the provided cleaner or an alcohol wipe to remove any dust, grease, or residue. Ensure the surface is completely dry before proceeding.
2. **Position the Antennas:** Carefully peel off the backing from the film antennas. Position them on the windshield according to the layout recommended in your car navigation system's manual. Typically, two antennas are placed on the left side and two on the right side of the windshield. Ensure they are applied smoothly without air bubbles.
3. **Secure the Antennas:** Press firmly on the entire surface of each film antenna to ensure strong adhesion to the glass.



Image 2.1: Film antennas and antenna cords ready for installation.

2.2. Antenna Cord Connection

1. **Connect to Film Antennas:** Attach the antenna cords to the corresponding film antennas. Ensure a secure and firm connection.
2. **Route the Cords:** Carefully route the antenna cords along the vehicle's interior, typically behind trim panels, to the location of your car navigation unit. Avoid kinking or pinching the cables.
3. **Connect to Navigation Unit:** Plug the VR1 type connectors of the antenna cords into the designated digital terrestrial TV antenna input ports on your Panasonic Strada car navigation system. Ensure all connections are fully seated.



Image 2.2: Example of a VR1 type connector used for antenna connections.

2.3. GPS Metal Sheet Installation

1. **Identify GPS Antenna Location:** Locate the existing GPS antenna (not included in this set) in your vehicle. The metal sheet is designed to be placed underneath or near this antenna.
2. **Clean Surface:** Ensure the surface where the GPS metal sheet will be placed is clean and dry.
3. **Apply Metal Sheet:** Peel off the backing and firmly attach the GPS metal sheet to a flat, non-metallic surface, ideally directly beneath your GPS antenna. This sheet helps to improve the antenna's signal reception and stability.



Image 2.3: GPS metal sheet packaging and product.

3. Operating Instructions

This antenna and GPS metal sheet set functions in conjunction with your Panasonic Strada car navigation system. Once properly installed, the system will utilize these components automatically.

3.1. Digital Terrestrial TV Reception

- After installation, turn on your car navigation system and select the digital terrestrial TV function.
- Perform an automatic channel scan if prompted or if you experience poor reception.
- Reception quality may vary depending on your geographical location, terrain, and vehicle speed.

3.2. GPS Positioning

- The GPS metal sheet enhances the signal reception of your existing GPS antenna.
- Ensure your car navigation system's GPS function is enabled.
- For optimal GPS performance, ensure the GPS antenna has a clear line of sight to the sky. Avoid placing objects directly over the antenna.

4. Maintenance

Regular maintenance helps ensure the longevity and performance of your antenna set.

- **Cleaning Film Antennas:** If the film antennas become dirty, gently wipe them with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the antenna film.
- **Inspecting Connections:** Periodically check all antenna cord connections to ensure they are secure and free from corrosion or damage.
- **Visual Inspection:** Inspect the film antennas for any signs of peeling, tears, or damage. If significant damage occurs, replacement may be necessary.

5. Troubleshooting

If you encounter issues with your digital terrestrial TV reception or GPS positioning, consider the following troubleshooting steps:

5.1. Poor Digital Terrestrial TV Reception

- **Check Connections:** Ensure all antenna cords are securely connected to both the film antennas and the car navigation unit.
- **Antenna Placement:** Verify that the film antennas are correctly and smoothly applied to the windshield, free from air bubbles or obstructions.
- **Signal Strength:** Digital terrestrial TV signal strength can vary. Try rescanning channels in a different location with better signal coverage.
- **Obstructions:** Ensure no metallic tinting or other obstructions on the windshield are interfering with the antenna's performance.

5.2. Inaccurate GPS Positioning

- **GPS Antenna Placement:** Confirm your GPS antenna (not included) has a clear view of the sky.
- **GPS Metal Sheet Position:** Ensure the GPS metal sheet is correctly installed beneath or near your GPS antenna to enhance its signal.
- **Environmental Factors:** GPS accuracy can be affected by tall buildings, dense foliage, tunnels, or adverse weather conditions.
- **Navigation Unit Settings:** Check your car navigation system's settings to ensure GPS is enabled and configured correctly.

6. Specifications

Brand	Panasonic
Model Number	CN-R500D1 (aPD32ksSet(513(P99--R500D1)
Antenna Type	Digital Terrestrial TV Film Antenna
Antenna Quantity	4 (2 left, 2 right)
Antenna Cord Quantity	4 (2 left, 2 right)
Connector Type	VR1
GPS Enhancement	GPS Metal Sheet (1 piece)
Compatibility	Panasonic Strada Car Navigation Systems (CN-R500D1 and compatible models)

7. Warranty and Support

This product is a genuine Panasonic accessory. For specific warranty information regarding this antenna and GPS metal sheet set, please refer to the warranty documentation provided with your main Panasonic Strada car navigation system or contact Panasonic customer support directly. For installation assistance or further inquiries, please reach out to the seller or an authorized Panasonic service center.
You can find more information about Panasonic products and support on the official Panasonic website:Panasonic Brand Store

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