

ECLIPSE AVN-R10

ECLIPSE AVN-R10 Terrestrial Digital Film Antenna Code Set

Model: AVN-R10 Antenna Code Set (Panasonic Part No. YESFZ452)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ECLIPSE AVN-R10 Terrestrial Digital Film Antenna Code Set. This set is designed to enhance digital television reception for compatible car navigation systems, specifically the ECLIPSE AVN-R10 model. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation of this antenna set involves working with vehicle electrical systems and interior trim. If you are not experienced with car electronics installation, it is highly recommended to seek professional assistance.
- **Power Disconnection:** Always disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits and damage.
- **Cable Routing:** Ensure all cables are routed safely, away from moving parts, heat sources, and sharp edges. Avoid obstructing airbags or other safety features.
- **Visibility:** When installing film antennas on the windshield, ensure they do not obstruct the driver's view or interfere with wiper operation.
- **Moisture:** Do not expose connectors or electronic components to moisture.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:



Image 1: Overview of the complete antenna and cable set.

- L-Type Film Antennas (A-type: 2 pieces, B-type: 2 pieces) - Total 4 pieces
- VR1 Antenna Codes (A-type: 2 pieces, B-type: 2 pieces) - Total 4 pieces
- Glass Cleaner 50 (1 piece)
- Antenna Code Clampers (6 pieces)

Note: A GPS antenna is not included in this set and must be acquired separately if required.



Image 2: Detailed view of the individual components included in the set.



Image 3: Packaging for the Panasonic Terrestrial Digital Antenna Kit, part number YESFZ452.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the film antenna code set:

1. **Prepare the Installation Area:** Clean the inner surface of the windshield where the film antennas will be applied using the provided glass cleaner. Ensure the surface is free of dust, grease, and moisture.
2. **Apply Film Antennas:** Carefully peel the backing from the L-type film antennas (A and B types). Apply them to the designated areas on your windshield, typically on the upper corners, ensuring smooth application without air bubbles. Refer to your car navigation system's manual for specific antenna placement recommendations.
3. **Connect Antenna Codes:** Connect the VR1 antenna codes to the corresponding film antennas. Ensure a secure connection.
4. **Route Antenna Cables:** Carefully route the antenna cables along the vehicle's A-pillars and dashboard, tucking them under trim panels to conceal them and prevent interference. Use the provided antenna code clampers to secure the cables where necessary.
5. **Connect to Navigation Unit:** Connect the VR1 coupler connectors of the antenna codes to the antenna input terminals on your ECLIPSE AVN-R10 car navigation system. Ensure the connectors are fully seated and locked.



Image 4: Close-up view of the VR1 coupler connector, compatible with various manufacturers.

Note: The VR1 coupler connector is a standard type used by several manufacturers, ensuring broad compatibility with systems designed for this connector type.

5. OPERATING INSTRUCTIONS

Once the antenna set is correctly installed and connected to your ECLIPSE AVN-R10 navigation system, digital TV reception should be available. Refer to your navigation system's user manual for specific instructions on how to access and tune digital TV channels.

- **Initial Scan:** Perform an initial channel scan through your navigation system's TV settings to detect available terrestrial digital broadcasts in your area.
- **Reception Quality:** Reception quality may vary depending on your geographical location, vehicle speed, and environmental factors (e.g., tall buildings, tunnels).

6. MAINTENANCE

This antenna set requires minimal maintenance to ensure optimal performance:

- **Regular Inspection:** Periodically check the film antennas on the windshield for any signs of peeling or damage. Ensure all cable connections remain secure.
- **Cleaning:** Keep the film antennas clean. Use a soft, damp cloth to gently wipe them if necessary. Avoid abrasive cleaners or excessive force that could damage the antenna elements.
- **Cable Integrity:** Ensure that cables are not pinched, cut, or exposed to extreme temperatures, which could degrade signal quality.

7. TROUBLESHOOTING

If you experience issues with your terrestrial digital TV reception, consider the following troubleshooting steps:

- **No Signal / Poor Reception:**
 - Verify all antenna cables are securely connected to both the film antennas and the navigation unit.

- Ensure the film antennas are properly adhered to the windshield and are not damaged.
 - Perform a channel rescan on your navigation system.
 - Check if you are in an area with known terrestrial digital broadcast coverage. Signal strength can vary.
- **Intermittent Signal:**
 - Inspect cables for any signs of damage or loose connections.
 - Ensure no other electronic devices in the vehicle are causing interference.
 - **Antenna Peeling:**
 - If a film antenna begins to peel, it may need to be re-adhered or replaced. Ensure the glass surface is clean before re-application.

If problems persist after attempting these steps, consult a qualified car electronics technician or refer to the support information for your ECLIPSE AVN-R10 navigation system.

8. SPECIFICATIONS

Feature	Specification
Product Type	Terrestrial Digital Film Antenna Code Set
Compatible Navigation System	ECLIPSE AVN-R10 (and other compatible systems with VR1 connectors)
Antenna Type	L-Type Film Antenna
Connector Type	VR1 Coupler
Manufacturer	Panasonic
Antenna Kit Part Number	YESFZ452

9. WARRANTY AND SUPPORT

For warranty information and technical support regarding this antenna code set, please refer to the documentation provided with your ECLIPSE AVN-R10 car navigation system or contact the manufacturer, Panasonic, directly. Keep your purchase receipt as proof of purchase for any warranty claims.