

## Wavtech link2

# Wavtech link2 2-Channel Line Output Converter User Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Wavtech link2 2-Channel Line Output Converter. Please read this manual thoroughly before attempting installation or operation to ensure proper function and to prevent damage to the unit or connected components. The Wavtech link2 is designed to convert high-level speaker signals from a factory or aftermarket head unit into low-level RCA signals, allowing for the addition of aftermarket amplifiers to your audio system.

## 2. SAFETY INFORMATION

- Always disconnect the vehicle's battery negative terminal before beginning any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Do not install the unit in locations where it may be exposed to excessive heat, moisture, or direct sunlight.
- Consult a professional car audio installer if you are unsure about any part of the installation process.
- Use appropriate fuses for all power connections to protect against electrical surges.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Wavtech link2 2-Channel Line Output Converter

## 4. PRODUCT OVERVIEW

The Wavtech link2 is a compact and efficient line output converter. Familiarize yourself with its components and connections.



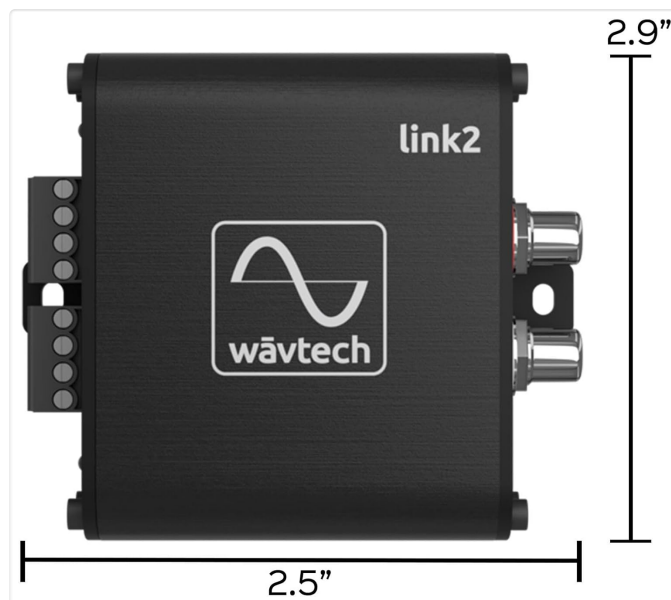
**Figure 4.1:** Front view of the Wavtech link2, showing the Wavtech logo and 'link2' model designation.



**Figure 4.2:** Top view of the Wavtech link2, illustrating the power (PWR), detect (DETECT), power supply (PWR SUPPLY), speaker input (SPK INPUT), clip indicator (CLIP), and gain control (GAIN) sections.



**Figure 4.3:** Rear view of the Wavtech link2, displaying the CH1(L) and CH2(R) RCA output connectors.



**Figure 4.4:** Top view of the Wavtech link2, indicating approximate width (2.5 inches) and depth (2.9 inches) dimensions.



**Figure 4.5:** Side view of the Wavtech link2, showing the approximate height dimension (1.1 inches).

## 5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully.

### 5.1 Wiring Connections

#### 1. Power Supply (PWR SUPPLY):

- **GND:** Connect to a clean, solid chassis ground point in the vehicle. Ensure good metal-to-metal contact.
- **+12V:** Connect to a constant +12V power source from the vehicle's battery, fused appropriately (e.g., 1A fuse, not included).
- **REM IN:** Connect to the remote turn-on output of your head unit (if available). This will turn the link2 on/off with the head unit.
- **REM OUT:** Provides a remote turn-on signal for your aftermarket amplifier.

#### 2. Speaker Input (SPK INPUT):

Connect the high-level speaker wires from your factory or aftermarket head unit to these terminals. Ensure correct polarity.

- **CH1(L) + / -:** Connect to the left channel speaker output wires.
- **CH2(R) + / -:** Connect to the right channel speaker output wires.
- The link2 accepts up to 40V RMS input.

3. **Output (OUTPUT):** Connect standard RCA cables from the link2's CH1(L) and CH2(R) outputs to the input of your aftermarket amplifier.

## 5.2 DETECT Switch

The DETECT switch manages how the link2 turns on and off.

- **ON:** The link2 will turn on when it detects an audio signal on the speaker inputs. This is suitable for most factory systems that do not provide a remote turn-on wire.
- **OFF (DC AUD):** The link2 will turn on when it detects a DC offset on the speaker inputs. This is common in some factory systems.
- If using the REM IN terminal for turn-on, the DETECT switch setting is less critical, but it is generally recommended to set it to 'OFF' or 'DC AUD' if a dedicated remote wire is used.

## 5.3 Gain Adjustment

The GAIN knob controls the output level of the link2. Adjust this to match the input sensitivity of your amplifier.

- Start with the GAIN knob fully counter-clockwise (minimum).
- Play a test tone (e.g., 0dB, 1kHz) at about 75% of your head unit's maximum volume.
- Slowly turn the GAIN knob clockwise until the CLIP indicator light just begins to flicker, then back it off slightly until the light remains off. This ensures a clean, unclipped signal to your amplifier.

## 5.4 Load Sense

The link2 features load detect functionality for factory systems that require resistance on the speaker outputs to remain active. This ensures the factory head unit does not shut down or reduce output when connected to the link2.

# 6. OPERATING INSTRUCTIONS

Once installed and configured, the Wavtech link2 operates automatically. It will turn on and off with your head unit based on the DETECT switch setting or the remote input. The primary operational aspect is ensuring the gain is set correctly to provide a clean signal to your amplifier without clipping.

# 7. MAINTENANCE

The Wavtech link2 requires minimal maintenance.

- Keep the unit free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure all connections remain secure. Periodically check wiring for any signs of wear or corrosion.
- Avoid exposing the unit to extreme temperatures or moisture.

# 8. TROUBLESHOOTING

If you encounter issues with your Wavtech link2, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No audio output	<ul style="list-style-type: none"> <li>No power to link2</li> <li>Incorrect speaker input wiring</li> <li>Gain set too low</li> <li>Amplifier not turning on</li> </ul>	<ul style="list-style-type: none"> <li>Check +12V and GND connections, ensure fuse is intact.</li> <li>Verify speaker input polarity and connection.</li> <li>Increase GAIN setting.</li> <li>Check REM OUT connection to amplifier and amplifier's power.</li> </ul>
Unit does not turn on	<ul style="list-style-type: none"> <li>No power to link2</li> <li>Incorrect DETECT switch setting</li> <li>No audio signal (if DETECT is ON)</li> </ul>	<ul style="list-style-type: none"> <li>Check +12V and GND connections.</li> <li>Adjust DETECT switch (ON/OFF/DC AUD) based on head unit type.</li> <li>Ensure head unit is playing audio.</li> </ul>
Distorted audio	<ul style="list-style-type: none"> <li>Gain set too high (clipping)</li> <li>Poor input signal quality</li> <li>Loose connections</li> </ul>	<ul style="list-style-type: none"> <li>Reduce GAIN until CLIP indicator does not light up.</li> <li>Ensure head unit output is clean.</li> <li>Check all wiring connections.</li> </ul>

## 9. SPECIFICATIONS

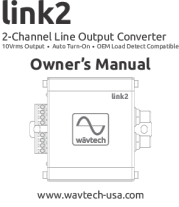

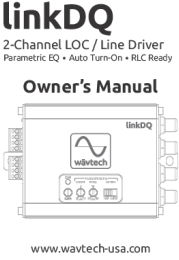



- **Item Weight:** 8 ounces
- **Product Dimensions:** 78.74 x 78.74 x 23.62 inches (Note: These dimensions appear to be incorrect based on product images showing 2.5" x 2.9" x 1.1". Please refer to physical product for accurate measurements.)
- **Item Model Number:** link2
- **ASIN:** B09BB4SRTY
- **Manufacturer:** Wavtech
- **Input Voltage:** Up to 40V RMS (Speaker Level)
- **Channels:** 2-Channel
- **Features:** Load Detect, Remote Turn-On Output

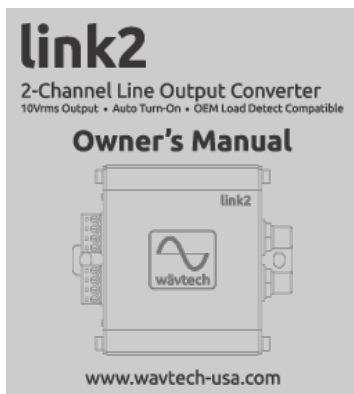
## 10. WARRANTY AND SUPPORT

The Wavtech link2 comes with a **1-Year Manufacturer Warranty**. For warranty claims or technical support, please contact Wavtech customer service or the authorized dealer from whom you purchased the product. Keep your proof of purchase for warranty validation.

For further assistance, visit the Wavtech website or consult your local authorized dealer.

## Related Documents - link2

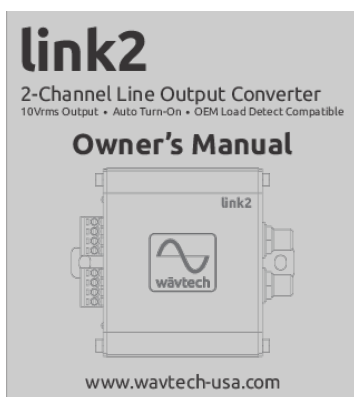
 <p>link2 2-Channel Line Output Converter Voltage Control • Auto Turn-On • 500W Load Driver Compatible Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wāvtech Link2 2-Channel Line Output Converter Owner's Manual</a></p> <p>Comprehensive owner's manual for the Wāvtech Link2 2-Channel Line Output Converter, detailing installation, features, specifications, and warranty information for professional audio installers.</p>
 <p>IRAD Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wavtech IRAD IGN-REM Generator + Delay Owner's Manual</a></p> <p>Owner's manual for the Wavtech IRAD IGN-REM Generator + Delay module, detailing installation, features, programming, specifications, and applications for mobile audio integration.</p>
 <p>linkDQ 2-Channel LOC / Line Driver Parametric EQ • Auto Turn-On • RLC Ready Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wavtech linkDQ 2-Channel LOC/Line Driver Owner's Manual</a></p> <p>Owner's manual for the Wavtech linkDQ 2-Channel LOC/Line Driver, featuring Parametric EQ, Auto Turn-On, and RLC Ready capabilities. Includes installation instructions, system wiring examples, and specifications.</p>
 <p>link750.1plus 750W RMS Mono Amplifier Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wāvtech link750.1plus 750W RMS Mono Amplifier Owner's Manual</a></p> <p>Comprehensive owner's manual for the Wāvtech link750.1plus 750W RMS mono amplifier. Includes installation guides, wiring diagrams, features, specifications, and warranty information.</p>
 <p>link2 2-Channel Line Output Converter Voltage Control • Auto Turn-On • 500W Load Driver Compatible Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wāvtech Link2 2-Channel Line Output Converter Owner's Manual</a></p> <p>Comprehensive owner's manual for the Wāvtech Link2 2-Channel Line Output Converter, detailing installation, features, specifications, and warranty information for professional audio installers.</p>
 <p>IRAD Owner's Manual www.wavtech-usa.com</p>	<p><a href="#">Wavtech IRAD IGN-REM Generator + Delay Owner's Manual</a></p> <p>Owner's manual for the Wavtech IRAD IGN-REM Generator + Delay module, detailing installation, features, programming, specifications, and applications for mobile audio integration.</p>



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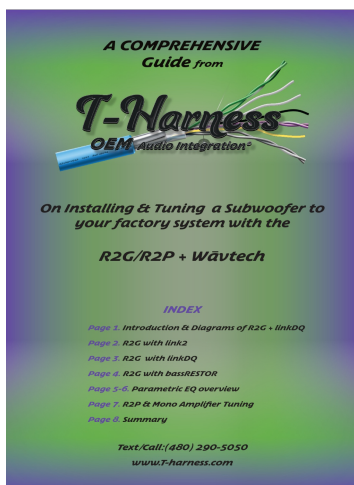
**link2** 2-Channel Line Output Converter 10Vrms Output Auto Turn-On OEM Load Detect Compatible Owner s Manual **link2** [www.wavtech-usa.com](http://www.wavtech-usa.com) WARNING CAUTION This symbol means important instructions. Failure to heed them can result in serious in ury or death. This symbol means important instructions. ... lang:en **score:44** filesize: 5.38 M page\_count: 14 document date: 2021-04-19



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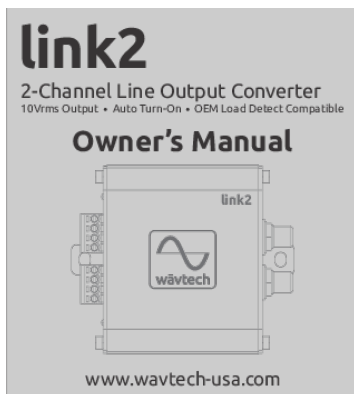
**link2** 2-Channel Line Output Converter 10Vrms Output Y Auto Turn-On Y OEM Load Detect Compatible Owner s Manual **link2** [www.wavtech-usa.com](http://www.wavtech-usa.com) WARNING CAUTION This symbol means important instructions. Failure to heed them can result in serious injury or death. This symbol means important instructions. ... lang:en **score:30** filesize: 213.69 K page\_count: 12 document date: 2023-03-15



[\[pdf\]](#) User Manual Guide Diagram

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A COMPREHENSIVE Guide from On Installing Tuning a Subwoofer to your factory system with the R2G/R2P Wavtech INDEX Page 1. Introduction Diagrams of R2G linkDQ Page 2. R2G with **link2** Page 3. R2G with linkDQ Page 4. R2G with bassRESTOR Page 5-6. Parametric EQ overview Page 7. R2P Mono Amplifi... lang:en **score:27** filesize: 11.18 M page\_count: 9 document date: 2024-02-17



[Wavtech Link2 2-Channel Line Output Converter Owner's Manual](#)

Comprehensive owner's manual for the Wāvtech Link2 2-Channel Line Output Converter, detailing installation, features, specifications, and warranty information for professional audio installers.

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## [Wavtech IRAD IGN-REM Generator + Delay Owner's Manual](#)

Owner's manual for the Wavtech IRAD IGN-REM Generator + Delay module, detailing installation, features, programming, specifications, and applications for mobile audio integration.

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