

## XTRONS USBDAB01

# Xtrons USB 2.0 DAB+ Digital Radio Tuner Receiver Instruction Manual

Model: USBDAB01

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Xtrons USB 2.0 DAB+ Digital Radio Tuner Receiver, Model USBDAB01. This device is specifically designed for use with Xtrons Android car head units, allowing you to receive DAB+ digital radio broadcasts and enjoy high-quality audio in your vehicle.

**Important Note:** This USB DAB+ radio receiver is exclusively compatible with XTRONS Android Head Units.

## 2. PRODUCT FEATURES AND ADVANTAGES

The Xtrons USB DAB+ Tuner offers several advantages for an enhanced in-car audio experience:

- **High-Fidelity Audio:** Experience CD-like sound quality without distortion, providing a clear and rich listening experience.
- **Multiple Channel Choices:** A single frequency can carry multiple channels, offering convenient and easy access to a wide range of digital radio programs.
- **Strong Anti-Interference:** With a Signal-to-Noise Ratio (SNR) exceeding 95 dB and an encoding rate of 192 kbps, the tuner is designed for stable performance even in dynamic, moving environments.
- **Faster Radio Station Switching:** Transmitters covering multiple channels allow for quicker and more convenient switching between different radio stations.
- **Detailed Channel Information:** The system provides comprehensive information about the currently playing channel, including program details.

DAB+ HAS THE FOLLOWING ADVANTAGES

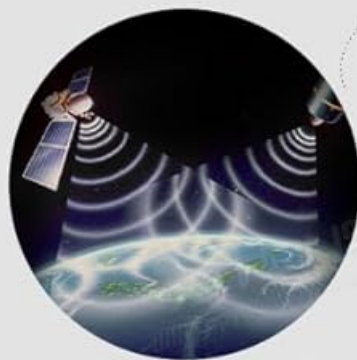


### Audiophile-level High-fidelity Sound

You can enjoy the CD-like quality sound without any distortion.

### Multiple Channel Choices

A frequency covers multiple channels, convenient and easy to get access to your favorite programs.



### Super-strong Anti-interference

SNR is over 95db, encoding rate is 192kbps which is suitable to use in the intense moving environment such as in-car use.



### Faster Switching Radio Stations

A station covers multiple channels, more convenient to switch between radio stations.



### Detailed Channel information

You will know what you are listening now!

### 3. PACKAGE CONTENTS

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Please verify that all items are present in the package:

- 1 x Xtrons USB DAB+ Stick
- 1 x DAB+ Antenna

# USB 2.0 DIGITAL DAB+

RADIO TUNER RECEIVER STICK ONLY FOR XTRONS ANDROID CAR STEREOS



Famous for its better sound quality, strong signal receiving, DAB+ (Digital Audio Broadcasting) has gradually replaced the traditional analog broadcast AM / FM. Connect the USB stick with XTRONS Android head units, you can receive the DAB+ digital radio on your car stereos and enjoy the audiophile-level sound in your car. Important Information: This USB DAB+ radio receiver stick is only designed specially for XTRONS Android head units.

Figure 2: Contents of the Xtrons USB DAB+ Tuner package.

## 4. SETUP AND INSTALLATION

Follow these steps to install your Xtrons USB DAB+ Tuner and antenna:

#### 4.1. Connecting the USB DAB+ Stick

1. Locate an available USB port on your XTRONS Android Head Unit.
2. Insert the Xtrons USB DAB+ stick into the USB port.



Figure 3: USB DAB+ stick connected to an Xtrons Android head unit.

#### 4.2. Installing the DAB+ Antenna

Proper antenna installation is crucial for optimal signal reception. Follow these steps carefully:

1. **Remove Trim:** Carefully remove the "A" pillar trim on the passenger side of your vehicle.
2. **Prepare Grounding Point:** Gently scratch a small amount of paint from the A-pillar to expose bare metal. This is where the copper grounding lug of the antenna will be secured. Ensure the adhesive backing is removed from the grounding lug and that it makes firm contact with the vehicle's ground for proper electrical conduction.
3. **Attach Antenna:** Securely attach the antenna to the windshield. Ensure the copper grounding lug is firmly fixed to the prepared grounding point. Position the antenna upwards and keep it at least 60mm away from any other metal ground points on the vehicle.

4. **Route Cable and Test:** Route the antenna cable neatly to the rear of your DAB stereo. Connect the antenna cable to the USB DAB+ stick. Before reattaching the A-pillar trim, test the DAB+ reception to ensure proper installation. Once confirmed, reassemble the A-pillar trim.

## HOW TO INSTALL DAB ANTENNA

<p><b>1</b> ▶</p> <p>Remove "A" pillar trim from the passenger side.</p>	
 <p>sticker →</p>	<p>◀ <b>2</b></p> <p>Scratch away some paint from the A pillar to attach the copper grounding lug. (Please tear out the sticker from the grounding lug surface and ensure the grounding lug has good conduction with the car's ground)</p>
<p><b>3</b> ▶</p> <p>Attach the antenna to the windscreen once the copper grounding lug is secure. (Please try to keep the antenna away from the metal ground of the car, at a distance of 60mm at least, and you should place the antenna upward.)</p>	 <p>6cm</p>
	<p>◀ <b>4</b></p> <p>Run the cable to the rear of the DAB stereo and connect to test. Refit the A pillar once completed.</p>

## ITEM INCLUDES:







Figure 4: Detailed steps for DAB+ antenna installation.

## 5. OPERATING INSTRUCTIONS

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Once the USB DAB+ stick and antenna are installed, follow these general steps to operate the digital radio tuner:

1. **Power On:** Turn on your XTRONS Android Head Unit.
2. **Install DAB+ Application:** If not already installed, download and install a compatible DAB+ application from your head unit's app store or as recommended by XTRONS. Popular applications include "DAB-Z" or "DAB Dreams."
3. **Launch Application:** Open the installed DAB+ application.
4. **Scan for Stations:** Within the application, initiate a scan for available DAB+ radio stations. The application will search for and list all receivable digital radio channels.
5. **Select Station:** Choose your desired radio station from the list to begin listening.

## 6. MAINTENANCE

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To ensure the longevity and optimal performance of your Xtrons USB DAB+ Tuner, consider the following general maintenance guidelines:

- **Keep Clean:** Periodically wipe the USB stick and antenna with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Protect from Moisture:** Ensure the device and its connections are kept dry. Moisture can damage electronic components.
- **Secure Connections:** Regularly check that the USB stick is firmly seated in its port and that the antenna cable connections are secure. Loose connections can lead to signal loss or intermittent performance.
- **Software Updates:** Keep your DAB+ application and XTRONS Android Head Unit software updated to benefit from performance improvements and bug fixes.

## 7. TROUBLESHOOTING

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If you encounter issues with your Xtrons USB DAB+ Tuner, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No DAB+ signal or poor reception	<ul style="list-style-type: none"><li>• Improper antenna installation or placement.</li><li>• Poor grounding of the antenna.</li><li>• Weak signal in the area.</li><li>• Antenna cable damage.</li></ul>	<ul style="list-style-type: none"><li>• Ensure the antenna is correctly attached to the windshield and positioned upwards, at least 60mm from metal.</li><li>• Verify the copper grounding lug makes firm contact with bare metal on the A-pillar.</li><li>• Try rescanning for stations in a different location with known good DAB+ coverage.</li><li>• Check the antenna cable for any visible damage or kinks.</li></ul>
DAB+ application not recognizing the tuner/aerial	<ul style="list-style-type: none"><li>• USB stick not properly connected.</li><li>• Incompatible DAB+ application.</li><li>• Software conflict or bug.</li></ul>	<ul style="list-style-type: none"><li>• Ensure the USB DAB+ stick is fully inserted into the XTRONS Android Head Unit's USB port.</li><li>• Confirm you are using a DAB+ application compatible with XTRONS devices (e.g., DAB-Z).</li><li>• Restart the head unit. Try reinstalling the DAB+ application.</li></ul>
Stations appear but no audio	<ul style="list-style-type: none"><li>• Audio settings issue.</li><li>• Application error.</li></ul>	<ul style="list-style-type: none"><li>• Check the volume settings on your head unit and within the DAB+ application.</li><li>• Restart the DAB+ application or the head unit.</li></ul>

## 8. SPECIFICATIONS

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Model Number	USB DAB01
Dimensions (Product)	10 x 4 x 2 cm
Weight	100 grams
Connectivity Technology	USB
Controller Type	Android
Special Feature	DAB+ Digital Radio
Compatible Devices	XTRONS Android Head Units
Audio Encoding	Stereo
Audio Output Mode	Stereo, Surround
Surround Sound Channel Configuration	5.1
Color	Black



## 9. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included with your product or visit the official XTRONS website. General return policies for purchases made through retailers like Amazon typically allow returns within 30 days for changed minds or defective/damaged products. Specific details can be found on the retailer's help pages.

