

Generic USB 2.0 DAB+ Stick

UniversalDAB+ USB Digital Radio Tuner Receiver User Manual

Model: USB 2.0 DAB+ Stick | Brand: Generic

INTRODUCTION

This manual provides detailed instructions for the installation and operation of the UniversalDAB+ USB 2.0 Digital Radio Tuner Receiver. This device is designed to enhance your in-car entertainment system by providing access to high-quality Digital Audio Broadcasting (DAB/DAB+) radio stations, replacing traditional analog AM/FM broadcasts with superior sound quality and stronger signal reception.

The DAB+ USB stick connects directly to compatible Android car head units, allowing you to enjoy audiophile-level sound in your vehicle.

KEY FEATURES

- DAB / DAB+ receiver for digital audio broadcasting.
- Supports DAB band III frequency range: 174.0MHz-239.0MHz.
- Automatic local station searching.
- Support for RDS (Radio Data System) function.
- Support for DLS (Dynamic Label Service) and SS (Slide Service) on DAB and DAB+ channels.
- Channel list management.
- Signal strength display.
- Standard USB interface for connectivity.
- SMA antenna interface with 5V output.

TECHNICAL SPECIFICATIONS

| Parameter | Value |
|-----------|-------|
|-----------|-------|

| | |
|-------------------|---|
| Product Type | DAB+ USB 2.0 Digital Radio Tuner Receiver |
| Frequency Range | DAB Band III: 174.0MHz - 239.0MHz |
| Interface | USB 2.0 |
| Antenna Interface | SMA (5V output) |
| Compatibility | XTRONS Android 5.1 & 6.0 head units and later compatible models |

SETUP AND INSTALLATION

Proper installation of the DAB antenna is crucial for optimal signal reception. Follow these steps for installation:

- Antenna Placement:** It is important to install the DAB antenna in the right place. The ideal location is typically on the top left or right corner of the front windshield of the car.
- Surface Preparation:** Ensure the installation surface is clean and dry.
- Adhesive Application:** The antenna is usually pasted on using its adhesive backing. Some windshields may have a protective film; remove it if present, as it can weaken the signal.
- Grounding:** Ensure the antenna ground (black wire) makes good contact with the metal car body.
- Pillar Installation:** Install the pillar inner trim back into place after routing the antenna cable.
- Connect USB Stick:** Plug the DAB+ USB receiver stick into an available USB port on your compatible XTRONS Android head unit.
- Connect Antenna:** Connect the SMA antenna cable to the antenna interface on the DAB+ USB stick.



Figure 1: DAB+ USB receiver stick shown with a CD and a paper detailing antenna installation methods. The paper highlights key steps for proper antenna placement and grounding for optimal signal reception.

OPERATING INSTRUCTIONS

Once the DAB+ USB receiver is connected to your XTRONS Android head unit, you can access the DAB+ radio functionality through the dedicated application.

- Launch Application:** Open the DAB+ application on your Android head unit. This application is required for the device to function.
- Scan Channels:** Initiate a scan for DAB/DAB+ channels within the application. The system will automatically search for available local stations.
- Select Station:** After scanning, a list of available DAB/DAB+ channels will be displayed. Select your desired station from the list to begin listening.
- View Information:** The application supports DLS (Dynamic Label Service) and SS (Slide Service), which provide additional information such as song titles, artist names, and images (if available) on DAB and DAB+ channels.

5. **Monitor Signal:** The application will typically display the signal strength, allowing you to assess reception quality.



Figure 2: A detailed view of the DAB+ USB receiver stick, highlighting its USB 2.0 connector and the branding "DAB+ Receiver For Android Navigation". This is the part that plugs into your car's Android head unit.

COMPATIBILITY

This USB DAB+ radio receiver stick is specifically designed for use with XTRONS Android 5.1 & 6.0 head units and later compatible models. It requires a dedicated application to function.

Compatible XTRONS models include, but are not limited to:

- PF75FSFA-S, PF75FSFA-B, PF7546BA, PF7553BA, PF7590BA
- PF75AA3A, PF75AA4A, PF75ATTA, PF75AA3AR, PF75AA4AR, PF75ATTAR
- PF75JCCA, PF75FFFA, PF85MTVA, PF75M203A, PF75M211A, PF75M245A, PF75M164A
- PF75QSFA-B, PF75QSFA-S, PF75HGTA, PF75MTWA, PF7539BA
- PC71FSFA-B, PC71FSFA-S, PC71OLOA-S, PC71OLOA-B, PC71OLOA-G
- PC61HGTA, PC71MTVA, PC81MTVA, PC70MTVA, TL701A
- And many more XTRONS Android head units.



Figure 3: The DAB+ USB receiver stick with its protective cap removed, revealing the USB connector on one end and the SMA antenna port on the other. This image illustrates the device's primary connection points.

TROUBLESHOOTING

If you encounter issues with your DAB+ USB receiver, consider the following common solutions:

- **No Signal/Poor Reception:**

- Check antenna connection: Ensure the SMA antenna is securely connected to the USB stick.
- Verify antenna placement: Confirm the antenna is installed in an optimal location (e.g., windshield corner) and that its ground wire is properly connected to the car body.
- Rescan channels: Perform a new channel scan within the DAB+ application.
- Check for obstructions: Ensure no metallic objects or films are interfering with the antenna signal.

- **Device Not Recognized:**

- Ensure the USB stick is fully inserted into the head unit's USB port.
- Verify compatibility: Confirm your head unit is an XTRONS Android 5.1/6.0 or later compatible model.
- Restart head unit: Try restarting your Android car head unit.
- Check USB port: Test the USB port with another device to ensure it is functional.

- **Application Issues:**

- Ensure the correct DAB+ application is installed and up-to-date on your head unit.
- Clear app cache/data: If the app is misbehaving, try clearing its cache or data (this might reset settings).



Figure 4: The complete package of the DAB+ USB receiver, including the main unit, its protective cap, and a mini-CD which likely contains the necessary Android application or drivers for installation.

MAINTENANCE

The UniversalDAB+ USB receiver requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the protective cap on the USB connector.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Antenna Care:** Periodically check the antenna cable and connections for any signs of wear or damage. Ensure the antenna remains securely affixed to its mounting location.



Figure 5: A side view of the DAB+ USB receiver stick, displaying important operational details such as "For android system use only", "Need APP support", "Freq: 170-240MHz", and "ANT power: 5V". This confirms the device's Android-specific nature and power requirements for the antenna.

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This manual is for informational purposes only. Specifications are subject to change without notice.