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Autotek ATEQ PK1

Autotek ATEQ PK1 4-Band Audio Equalizer with 2-Way Crossover User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Autotek ATEQ PK1 4-Band Audio Equalizer with Built-in 2-Way Crossover. Please read this manual thoroughly before attempting installation or operation to ensure proper function and to maximize your car audio experience. The ATEQ PK1 is designed for in-dash installation, offering precise control over your audio system's equalization and crossover settings.

FEATURES

- Half-DIN, 4-Band Preamp EQ with Front/Rear Active Crossover
- Line Driver Circuit delivering 9 Volts of preamp level signal through the RCAs
- Audio Input Selector for switching between head unit and another audio source
- Input Level Controls for both car radio and media device to ensure identical volume levels
- Master Volume Control of the SPL-level for both sound sources
- Front to Rear Dual-Amp Fader
- 2 Audio Inputs with Level Matching
- Selectable 12 dB High-Pass Crossover and Low-Pass Sub Output
- Selectable for Mono or Stereo Subwoofer Setups
- 45 Hz Sub-Bass Control
- 120 Hz Mid-Bass Control

PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your Autotek ATEQ PK1 equalizer.



An angled view of the Autotek ATEQ PK1 4-Band Audio Equalizer, showcasing its compact design and the various input/output connections on the top panel, along with the control switches for subwoofer and front/rear crossover settings.



A detailed top-down view of the Autotek ATEQ PK1 equalizer, highlighting the RCA input jacks (Input 1, Input 2), subwoofer output, front and rear outputs, power connections (12V+, REM, GND), input level controls, and the selectable switches for subwoofer crossover frequency (OFF, 50Hz, 80Hz, 120Hz), mono/stereo subwoofer mode, and front/rear high-pass crossover frequency (OFF, 80Hz, 120Hz, 200Hz).



A close-up view of the Autotek ATEQ PK1 equalizer's front control panel, featuring a master volume knob, subwoofer level, fader, input selector, LED indicator, and individual rotary controls for sub-bass, mid-bass, mid, and treble, all illuminated with a red glow.



The rear panel of the Autotek ATEQ PK1 equalizer, displaying multiple RCA output jacks for front, rear, and subwoofer channels, along with the power input wiring harness.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional car audio installer.

Mounting

- The ATEQ PK1 is a 1/2 DIN unit designed for in-dash installation. Ensure there is sufficient space in your vehicle's dashboard.
- Secure the unit using the provided mounting hardware to prevent movement and vibration.

Wiring Connections

1. **Power Connection:** Connect the **12V+** wire to a constant +12V power source (fused, 1A fuse recommended). Connect the **GND** wire to a solid chassis ground point. Connect the **REM** (remote) wire to your head unit's remote turn-on output.

- 2. Audio Input:** Connect your head unit's RCA outputs to either **INPUT 1** or **INPUT 2** on the ATEQ PK1. If using an additional audio source, connect it to the other input.
- 3. Audio Output:** Connect the **FRONT OUT**, **REAR OUT**, and **SUBWOOFER OUTPUT** RCAs from the ATEQ PK1 to the corresponding inputs on your amplifiers.

Input Level Adjustment

After all connections are made, use the **INPUT LEVEL** controls on the top panel to match the output voltage of your head unit and any secondary audio source. This ensures consistent volume levels when switching between inputs.

OPERATING INSTRUCTIONS

The ATEQ PK1 provides comprehensive control over your audio system. Adjust settings carefully to achieve your desired sound.

Front Panel Controls

- VOL (Master Volume):** Controls the overall output volume of the equalizer.
- SUB (Subwoofer Level):** Adjusts the output level of the subwoofer channel independently.
- FADER (Front/Rear):** Balances the audio output between the front and rear channels.
- INPUT:** Selects between Input 1 and Input 2 audio sources.
- LED:** Power indicator.
- SUB BASS (45 Hz):** Boosts or cuts the sub-bass frequencies centered at 45 Hz.
- MID BASS (120 Hz):** Boosts or cuts the mid-bass frequencies centered at 120 Hz.
- MID:** Boosts or cuts the midrange frequencies.
- TREBLE:** Boosts or cuts the high frequencies.

Top Panel Crossover Switches

- SUBWOOFER Crossover:** Select the low-pass filter frequency for the subwoofer output. Options include OFF, 50Hz, 80Hz, and 120Hz. This ensures only low frequencies are sent to your subwoofer.
- SUBWOOFER MONO/STEREO:** Select MONO for a single subwoofer setup or STEREO for dual subwoofers.
- FRONT/REAR Crossover:** Select the high-pass filter frequency for the front and rear outputs. Options include OFF, 80Hz, 120Hz, and 200Hz. This prevents low frequencies from being sent to your full-range speakers, improving clarity and power handling.

MAINTENANCE

The Autotek ATEQ PK1 is designed for reliable operation with minimal maintenance. Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners. Ensure all connections remain secure to prevent signal loss or interference.

TROUBLESHOOTING

- No Power:** Check the 12V+ and GND connections. Ensure the remote (REM) wire is connected and receiving a signal from the head unit. Verify the fuse (1A) is intact.

- **No Audio Output:** Check all RCA connections from the head unit to the equalizer and from the equalizer to the amplifiers. Ensure the correct input source is selected on the equalizer. Verify amplifier power and settings.
- **Distorted Sound:** Reduce the input level if the signal is too strong. Check for proper gain staging throughout your audio system. Ensure speaker wires are not shorted.
- **Humming or Noise:** Check for proper grounding of the equalizer and all other audio components. Ensure RCA cables are not routed near power cables.
- **Uneven Volume Between Inputs:** Adjust the INPUT LEVEL controls on the top panel to match the output of your different audio sources.

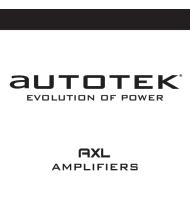
SPECIFICATIONS

Package Dimensions	11.65 x 8.11 x 2.13 inches
Item Weight	1.98 pounds
Preamp Output Voltage	9 Volts
Equalizer Bands	4-Band (Sub-Bass, Mid-Bass, Mid, Treble)
Sub-Bass Control Frequency	45 Hz
Mid-Bass Control Frequency	120 Hz
Subwoofer Crossover Frequencies	OFF, 50Hz, 80Hz, 120Hz (selectable)
Front/Rear Crossover Frequencies	OFF, 80Hz, 120Hz, 200Hz (selectable)
Crossover Slope	12 dB/Octave
Input Type	2 Audio Inputs (RCA)
Output Type	Front, Rear, Subwoofer (RCA)
Form Factor	Half-DIN

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Autotek website. Keep your proof of purchase for any warranty claims.

Related Documents - ATEQ PK1

 <p>Autotek AXL Series Car Amplifiers: Installation and Features Guide</p> <p>Comprehensive guide to installing and using Autotek AXL Series car amplifiers, covering system design, wiring, features, and application examples for models AXL1050.2, AXL1650.2, AXL3050.2, AXL1050.4, AXL1450.4, AXL4050.4, AXL1550.1, and AXL2550.1.</p>



[ACV Car Amplifier User Manual: MC-4.90D, MC-2.90D, MC-1.500D](#)

Comprehensive user manual for ACV car amplifiers, including installation guides, connection diagrams, and technical specifications for models MC-4.90D, MC-2.90D, and MC-1.500D.



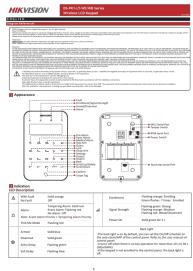
[TPMS Sensor User Guide and Installation Instructions](#)

A comprehensive guide to the TPMS sensor, covering product overview, installation, learning process, and troubleshooting. Includes FCC compliance information.



[Hikvision Wireless LED Keypad DS-PK1-E-WE Quick Start Guide](#)

This guide provides instructions for the installation and operation of the Hikvision Wireless LED Keypad DS-PK1-E-WE. It covers enrollment, installation, specifications, and troubleshooting.



[Hikvision DS-PK1-LT-WE/WB Wireless LCD Keypad User Manual](#)

User manual for the Hikvision DS-PK1-LT-WE/WB Wireless LCD Keypad, covering appearance, indication, enrollment, installation, commands, and specifications.