

UKsound

176 FET Compressor



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Safety Instructions

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important



1. Read instructions - All the safety and operating instructions should be read before operating the unit.
2. Retain instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings – Adhere to all warnings pertaining to the unit.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture - The unit should not be used near water. (for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, and the like)
6. Ventilation - The unit should be situated so that its location or position does not interfere with normal ventilation.
7. Heat - The unit should be situated away from heat sources such as power amplifiers and power conditioning filters.
8. Grounding - Precautions should be taken so that the safety grounding means are not defeated and the protective earth terminal/safety ground should be connected to a mains outlet with a protective earth/safety ground connection.
9. Power Cord Protection – The power supply

For Service or Repair



Warranty

Overview and Features

Thank you for purchasing the UK Sound 176. We at UK Sound have worked hard to design a product that will support you in creating amazing music.

- The 176 is has an all-discrete and Class A signal path with transformer balanced input and output.
- The JFET based compressor gives all the features and sound you expect from a FET compressor, plus a few extras.
 - Fixed threshold
 - Selectable ratio (4:1, 8:1, 12:1, 20:1)
 - Adjustable attack and release controls
 - S.C. Filter: 100Hz high pass filter on the sidechain signal
 - !: "all buttons in" mode

Quick Start Guide

This quick start guide is intended to help you connect your 176 and start making great recordings! The following step-by-step instructions are based on a typical studio setup. Even if your recording setup varies from “typical”, these steps should still provide some help.

Step 1: Set 176 to “Default”

A good starting point for the 176 is what we will call “Default”. The first step is to set the unit to these settings, even before plugging it in to power. For some of these controls we will refer to their setting as if it were a clock, this is a common way to define positions of rotary controls.

1. Set your 176 to “Default” by setting the controls to:

- ✓ Input: 0 (*roughly 10:00*)
- ✓ Ratio: 4:1
- ✓ ! (*all buttons in*): off (*left*)
- ✓ SC filter: bypassed (*left*)
- ✓ Comp/Bypass: Bypass (*down*)
- ✓ Attack: 10:00
- ✓ Release: 2:00
- ✓ Output: 2:00



2. **Connect your 176 to power:** Plug the supplied power cable first into the 176 and then into the wall socket, power strip, or surge protector.
3. **Connect your source** to the input of the 176.
4. **Connect the output** of the 176 to the line level input of your audio interface, mixer, or recorder.
5. **Compression:** Set Comp/Bypass switch to Compress (*up*)
 - Adjust Preamp Out control for desired amount of compression.
 - Turn Preamp Out control up (*clockwise*) for more compression
 - Turn Preamp Out control down (*counter-clockwise*) for less compression
 - Adjust Attack and Release controls for desired sound.
 - Attack:

- Slower attack times (turning the control counter-clockwise) will allow more transient (“attack” of the note) through.
If you find your sound is lacking high frequency detail, try making the attack slower.
- Faster attack times (turning the control clockwise) will create more compression and make the entire note closer to the same volume.

o Release:

- Slower release times (turning the control counter-clockwise) will keep the length of the musical note closer to what it was before compression.
- Faster release times (turning the control clockwise) will increase the length of musical notes.

If you hear distortion, particularly on low frequency sounds, try a slower release time.

6. Experiment! This is you music, your sound, take time to experiment and listen to how the controls change the sound.

Suggested Settings