



BroadCaster Composer PRO-XL

Official User Manual

1. Introduction

Welcome to the BroadCaster Composer PRO-XL user manual. This application functions as a highly precise virtual rack processor, designed to ensure your broadcast audio sounds professional, leveled, and perfectly equalized. You can use it as a standalone application on Windows, or as a VST3 plugin within your digital audio workstation (DAW) or playout software.

2. Control Sections

A. Input AGC (Automatic Gain Control)

The AGC ensures a consistent input volume regardless of the source level.

- Target Level (dB): Sets the desired average output volume.
- Speed (ms): Determines how fast the volume adjusts.

Example usage: Set Target to -14dB and Speed to 500ms for internet radio broadcasting to ensure that both quiet and loud songs are leveled out smoothly.

B. 10-Band Graphic Equalizer

The graphic equalizer lets you shape the tonal balance of your audio.

It features 10 bands from 31 Hz to 16 kHz, each with a range of +/- 15 dB.

Example usage: Boost 31 Hz and 62 Hz by 2-3 dB for a warmer bass presence, and 8 kHz by 3-4 dB for clearer, crisper vocals.

C. Multiband Compressor & Peak Limiter

The compressor reduces the dynamic range, making the audio denser and more impactful.

- Threshold (dB): The level above which compression starts.
- Ratio: How strongly the audio is compressed (e.g., 3:1).
- Attack/Release (ms): How quickly the compressor reacts and recovers.

Finally, the Peak Limiter sits at the very end of the chain, ensuring the signal never clips 0 dBFS.

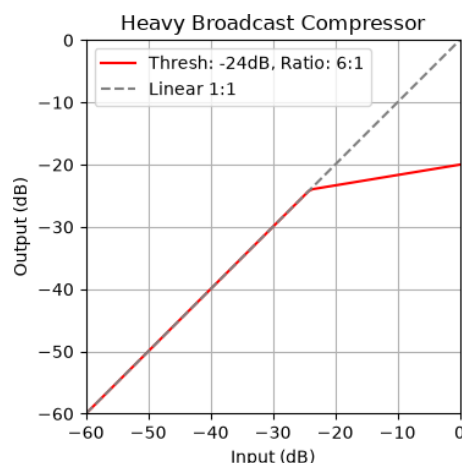
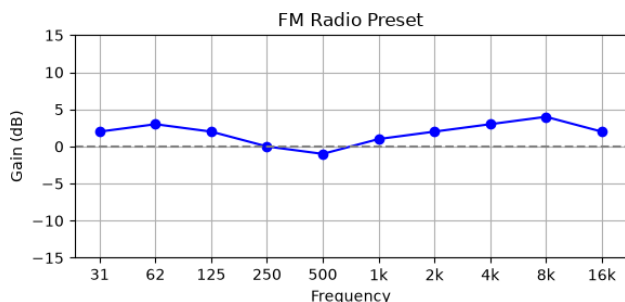
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3. Practical Examples and Presets

Below are a few common settings for different broadcasting scenarios.

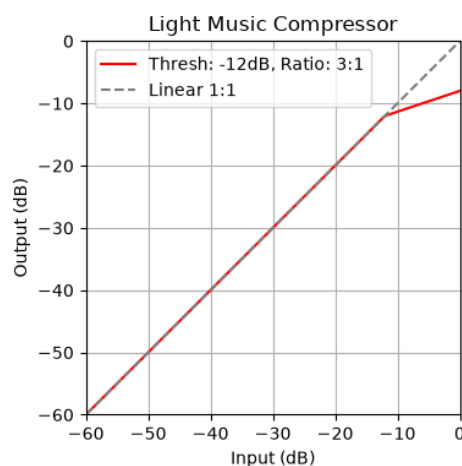
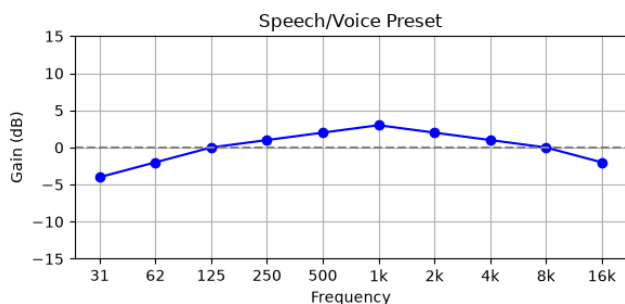
FM Radio / Internet Broadcast Preset

For a modern, punchy broadcast sound, use an aggressive compressor and a 'smile' EQ curve to enhance the lows and highs.



Speech / Voiceover Preset

For clear speech, cut the rumble (low frequencies) and slightly boost the presence range (1-4 kHz). Use moderate compression to keep the voice upfront without sounding artificial.



Minimum System Requirements

Hardware:

- Processor: Intel Core i5 / AMD Ryzen 5 or newer (AVX instruction support recommended for highly efficient DSP processing).
- Memory (RAM): 4 GB RAM (8 GB or more recommended).
- Storage: 50 MB of free disk space.
- Audio Interface: For the Standalone application, an ASIO compatible audio interface is highly recommended to achieve the lowest possible latency (Windows WASAPI is also supported).

Software:

- Operating System: Windows 10 (64-bit) or Windows 11.
- Host Application (for VST3 plugin): Any compatible DAW or broadcasting software with VST3 support (e.g., vMix, OBS Studio, Reaper, Cubase, Ableton, FL Studio, Radio Profesional, RPX).
- Network: An internet connection is required for the initial activation of the license key. Once activated, the software features an offline verification mode.

License Activation & Contacts

Thank you for choosing BroadCaster Composer PRO-XL.

HOW TO ACTIVATE YOUR LICENSE:

1. Open the 'ABOUT' or 'SETTINGS' tab in the application.
2. Copy your unique 'Instance ID'.
3. Click 'Order License (Online)' to visit our website and purchase a license.
4. Once you receive your license key via e-mail, click 'Enter License Key' in the app.
5. Paste the key and click Activate. The application will verify the key online and permanently unlock all features.

If the license is missing or invalid, the application will run in a 1-hour Demo mode, after which the audio processing will be Bypassed.

CONTACT INFO:

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