



HDMOD-7 "Home" modulator

1 x HDMI to DVB-T/C/ATSC/ISDB-T/DTMB modulator

Quick Start Guide

1. INTRO

Congratulations on purchasing the HDMOD 7. You now own a high-end, multi-standard Full HD - HDMI modulator featuring Bluetooth control. To fully utilize its advanced capabilities, please take a moment to read this guide carefully.

2. INSTRUCTIONS

2.1 Description

The HDMOD 7 is a versatile and professional-grade Full HD HDMI modulator that converts one HDMI input into a digital RF output compatible with multiple global standards—including DVB T, DVB C, ATSC, ISDB T, and DTMB. It accepts resolutions up to 1080p (50/60 interlaced or progressive) and employs H.264 (MPEG 4 AVC) encoding for exceptional image quality. With support for HDCP v1.4, the HDMOD 7 ensures compatibility with any device that delivers HDMI content. Modulation performance is outstanding, with a measured MER ≥ 40 dB across the full RF band (50–950 MHz).

Remote configuration and setup are performed via Bluetooth v5.0 using the free Lemco app available on Android and iOS. No manual pairing is required. The compact all metal housing offers strong electromagnetic shielding, efficient heat dissipation, and durable construction.

2.2 Features

- 1 HDMI input up to 1080p, with HDCP 1.4 support
- Multi-standard RF output: DVB-T/C, ATSC, ISDB-T, DTMB
- High-quality H.264 encoding with bitrate up to 20 Mbps
- Full transport stream generation: PAT, PMT, SDT, NIT, EIT
- Bluetooth app control, does not require Bluetooth pairing
- Android v8.0 and above or iOS 13 and above
- Compact, wall-mountable design
- Output level up to 90 dB μ V, adjustable attenuation
- Wide modulation parameters and high MER performance (>40 dB)
- 5 year warranty

3. APP INSTALLATION

The HDMOD-7 can be programmed on the field using the following simple steps:

Step 1

Power up the HDMOD-7, connecting the external power supply. The HDMOD-7 will need 20-30 seconds to initialize and the status indicator will blink between red and green until the procedure is finished. After the status indicator remains constantly green, you will be able to connect to the HDMOD-7.

Step 2

Download the "Lemco" app from Google play or App Store:

This step is not necessary if you already have installed the app on your phone / tablet.



Step 3

The app has the following icon:



Upon execution, the app will ask you to turn on Bluetooth. Depending on your phone / tablet OS version, you may be prompted also to turn on GPS / Location / Position. The app does NOT record or use your location. Location services are necessary on specific Android OS versions for Bluetooth Low Energy (BLE) access.

The HDMOD-7 utilizes BLE (Bluetooth Low Energy) and does NOT need to be "paired" with your phone / tablet. If you have paired the device with your phone / tablet, please unpair it. The factory default PIN is 1234

4. MORE INFORMATION

You can download full manual at www.lemco.gr