

# HDMOD-4

## “Home” modulator

1 x HDMI (in) to DVB-T (COFDM)



Leading the signal  
all over the world

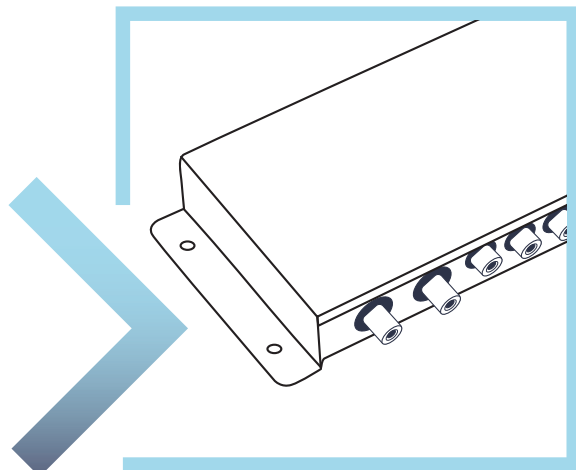


# HDMOD-4

The HDMOD-4 is a high-quality DVB-T “Home” modulator. It receives one HDMI signal as input and converts it into one RF DVB-T channel output. The excellent picture (Full HD 1920\*1080-30p) and modulation quality (MER~35dB) renders the HDMOD-4 an ideal solution for distributing SD/HD digital signals received from any device with an HDMI output (e.g. a DVD player, STB or camera in a CATV network using the DVB-T technology).

The user has the ability to control the device remotely using a Bluetooth interface by downloading and using the appropriate application from Google play or IOS App Store for free.

Finally, the HDMOD-4’s small size and metal case provides excellent electromagnetic shielding as well as great temperature dissipation and rigidity.



## Features

- High quality and performance
- Very clean RF spectrum
- HDMI input
- MER value ~ 35dB
- RF output frequencies 470...862 MHz
- H.264 HD encoder bitrate 1-19Mbps
- HDCP support
- Bluetooth interface
- Very small size
- External power supply



## 1 x HDMI (in/out) to DVB-T (COFDM)

# HDMOD-4

### Technical Specifications



#### Input Specifications

Type	1 x HDMI in
HDMI loop-through	No
Connector	1 x HDMI Type A
Video coding	MPEG-4 AVC/H.264
Profile	High profile 4.0
Resolution	1920x1080-30p for HDMI
HDCP support	Yes
Audio	HDMI & Mono/Stereo
Audio encoding	MPEG2, ACC, AC3
Standard	MPEG-1 Layer II
Audio Bit Rate	64, 96, 128, 192, 256, 320, 384 kbps
Level	0.5Vpp to 1.0Vpp adjustable

#### H.264 Encoder

Standard	MPEG-4 AVC/H.264
Bit Rate	1 – 19 Mb/s adjustable
Configurable parameters	Service Name, Service ID, Video PID, Audio PID, PMT PID

#### Transport Stream Processing

Automatic regeneration	NIT, PAT, CAT, SDT, PMTs, EITs tables
Configurable parameters	TS ID, Original Network ID, Network ID, Provider Name
LCN support	Yes
LCN Providers	Nordig, ITC/UK, EICTA/Europe, New Zealand

#### DVB-T Output

Standard	EN 300 744
Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8

#### RF Output

Type	RF DVB-T (COFDM)
Output frequencies	470...862 MHz
Output level	90dBµV max.
Connector	75Ω - F, female
Output attenuator	0, -10, -20dBm
MER	35dB (Typical)
Shoulder attenuation	>45dBc
Connectors	1 x F - female

#### Programming interface

via Bluetooth
Requires version 4.0 and above
ETSI EN 300 328 and EN 300 440
Class 2 (Europe),
FCC CFR47 Part 15 (US) and ARIB
STD-T66 (Japan)

#### Platform support

Android version 5.1 and above
iOS version 9.3 or above
iPhone 4S or newer
iPad 3rd gen or newer

#### EAN-13

Code	5213009760010
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#### General

Power supply	+12VDC
Power supply consumption	280 mA max.
Operating temperature	0 °C to 50 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	131.0 x 83.5 x 26.0 mm
Weight	0.20 Kg

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