

Ymiko Ymikoeqq3u87d4x

RF Modulator HDMI Modulator Audio Video TV Converter VHF UHF PAL/NTSC Standard User Manual

Brand: Ymiko | Model: Ymikoeqq3u87d4x

1. INTRODUCTION

This user manual provides detailed instructions for the Ymiko RF Modulator HDMI Modulator Audio Video TV Converter. This device is designed to convert HDMI and AV signals into RF signals, allowing you to connect modern devices to older televisions or distribute signals over a coaxial cable network. It supports both PAL and NTSC TV formats and operates across VHF/UHF frequencies.

2. PRODUCT FEATURES

- Output Channel Selection:** The output channel is optional, supporting HDMI and AV inputs for NTSC and PAL TV format output.
- Wide Frequency Range:** Supports VHF/UHF operating frequency from 47 to 868 MHz.
- Adjustable Output:** Features adjustable output level, and adjustable audio and video output levels.
- Plug and Play:** No driver installation required, offering easy and flexible setup.
- Compact Design:** Humanized design, compact, lightweight, and portable.



Figure 2.1: Front view of the RF Modulator, displaying the digital channel indicator, model number (HDM69), and controls for RF, Video, Audio adjustment, and channel selection (UP/DOWN/CATV/TV/AU/LOCK).



Figure 2.2: Connection diagram illustrating the modulator's role in converting signals for TV display. The image shows the modulator with arrows pointing to a television screen, indicating signal transmission.



Figure 2.3: The RF Modulator integrated into a home entertainment setup, showing its practical application for viewing content on a television.



Figure 2.4: Illustration emphasizing the modulator's support for VHF/UHF operating frequencies and its adjustable output levels for RF, video, and audio.



The output channel is optional

support NTSC and PAL TV format output.



Figure 2.5: Visual representation of the modulator's flexible output channel options, supporting both NTSC and PAL TV formats for broad compatibility.

No need to install driver, easy and flexible to install, plug and play.

Humanized design, compact and lightweight, portable to carry.



Figure 2.6: Demonstrates the plug-and-play functionality of the modulator, highlighting its ease of installation without requiring additional drivers.



Figure 2.7: Side view of the modulator, clearly showing the HDMI input port and the Audio/Video (RCA) input ports for connecting source devices.



Figure 2.8: Opposite side view of the modulator, displaying the RF IN and RF OUT coaxial ports for antenna connection and signal distribution.

3. SPECIFICATIONS

Feature	Description
---------	-------------

Condition	100% Brand New
Material	ABS
TV Standard Format	PAL/NTSC
Frequency Range	47 ~ 868 MHz
Bandwidth	6 MHz, 7 MHz, 8 MHz
Output Level	80 ~ 95 dBuv adjustable
Input Level	0.77 Vp-p for 80% +/-10% modulation
Audio System	M = 4.5 MHz, B/G = 5.5 MHz, I = 6.0 MHz, D/K = 6.5 MHz
Input Ports	HDMI and AV (RCA)
RF Input	F-female
RF Output	F-female
Input Resolution	1080P/1080i/720P/576P/576i/480p
HDMI Version	1.3
HDCP Version	1.3
Power Consumption	90 ~ 240VAC
Operating Temperature	0 °C ~ +40 °C

4. SETUP INSTRUCTIONS

- Connect Power:** Plug the power adapter into the modulator's power input and then into a standard electrical outlet (90-240VAC).
- Connect Input Source:**
 - For HDMI devices (e.g., DVD player, set-top box): Connect an HDMI cable from your source device to the **HDMI IN** port on the modulator.
 - For AV devices (e.g., older VCR, game console): Connect RCA cables (yellow for video, red/white for audio) from your source device to the **Audio/Video IN** ports on the modulator.
- Connect to TV/Antenna System:**
 - Connect a coaxial cable from the **RF OUT** port of the modulator to the antenna/cable input (RF IN) of your television.
 - If you are integrating the modulator into an existing antenna system, connect your antenna's coaxial cable to the **ANT IN** port on the modulator.
- Select Output Channel:** Use the UP/DOWN buttons on the modulator to select the desired output channel (displayed on the digital screen). Ensure this channel is not already in use by another broadcast.
- Tune TV:** On your television, perform an auto-scan or manual tune to find the channel being broadcast by the modulator. Refer to your TV's manual for specific tuning instructions.

5. OPERATING INSTRUCTIONS

Once the modulator is set up and your TV is tuned to the correct channel, you can begin using the device.

- **Input Switching:** Use the **SWITCH** button on the modulator to toggle between HDMI input and AV input. The selected input will be converted to the RF output.
- **Channel Selection:** Use the **UP** and **DOWN** buttons to change the RF output channel. The current channel number will be displayed on the modulator's screen.
- **Channel Type (CATV/TV/AU):** The **CATV/TV/AU** button allows you to switch between different channel modes (e.g., Cable TV, Broadcast TV, or Audio Utility). This may affect how your TV receives the signal.
- **Lock Function:** The **LOCK** button can be used to prevent accidental channel changes. Press it to lock the current channel; press again to unlock.
- **Adjusting Output Levels:** Use the small adjustment knobs **RF Adj**, **Video Adj**, **Audio Adj** to fine-tune the output signal strength, video clarity, and audio volume. Adjust these as needed for optimal picture and sound quality on your television.

6. MAINTENANCE

To ensure the longevity and optimal performance of your RF Modulator, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols, as they may damage the unit.
- **Ventilation:** Ensure the modulator is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Storage:** If storing the device for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

7. TROUBLESHOOTING

If you encounter issues with your RF Modulator, refer to the following common troubleshooting steps:

- **No Picture/Sound:**
 - Ensure all cables (power, HDMI/AV input, RF output) are securely connected.
 - Verify that your TV is tuned to the correct channel that the modulator is broadcasting on.
 - Check if the input source (HDMI or AV) is correctly selected on the modulator using the **SWITCH** button.
 - Confirm the input source device (e.g., DVD player) is powered on and functioning correctly.
- **Poor Picture/Sound Quality:**
 - Adjust the **RF Adj**, **Video Adj**, and **Audio Adj** knobs on the modulator for optimal signal.
 - Ensure the coaxial cable is of good quality and not damaged.
 - Try a different output channel on the modulator to avoid interference.
 - Check for strong interference sources nearby (e.g., other electronic devices).
- **Modulator Not Powering On:**
 - Verify the power adapter is securely plugged into both the modulator and the power outlet.
 - Test the power outlet with another device to ensure it is functional.
- **Channel Cannot Be Changed:**
 - Check if the **LOCK** function is enabled. Press the **LOCK** button to disable it.

8. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the product packaging or your point of purchase for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or any questions regarding your Ymiko RF Modulator, please do not hesitate to contact the seller or manufacturer's customer service. Contact information is typically provided with your purchase documentation or on the manufacturer's official website.

"Feel free to contact us if you have any questions, we will do our best to help you."

© 2024 Ymiko. All rights reserved.