

• FAQ

Q : Image is not normal after setting channel (splash screen, disturbance, mosaic etc)?

A : Restart , and make sure coaxial cable connection is stable,or try other channel for testing

Q: TV displays "NO SIGNAL" on screen?

A : (1) Check if there is a HDMI signal input.

(2) If the length of coaxial cable is less than 100 meters, please add an attenuator(20dB at least) in series to decay the signal, and try again.

• Specification

Item	Specification
HDMI Signal	HDMI 1.3,fully compatible HDCP
HDMI DDC Signal	5Vp-p (TTL)
HDMI TMD5 Signal	0.5~1.5Vp-p (TMDS)
Input HDMI Resolution Supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
HDMI graphics resolution	1280x720@60Hz,1920x1080@60Hz
Video Encoding	H.264
Audio Encoding	AC3-L/R Audio
Coaxial output Standard	ATSC
Coaxial Cable required	RG6, RG7, RG11
Frequency	100 to 1000MHz
Effective Bit Ratio	Max:31.6M bits
Insert Loss	<2dBm
RF output Wattage(TX)	-8dBm

RF Interface	British system (75Ω type F)
Delay Time	100-150ms (Depends on the decoding ability of receivers)
Audio Format	Stereo PMC (44.1kbps, 48kbps)
Power	DC5V/2A
Product Consumption	5W
Working Temperature	0°C - 50°C
Stock Temperature	-10 °C - 70 °C
Relative Humidity	0% - 90% (No condensation)
Product Dimension	158×115×33mm

Appendix 1:RF Channel vs Center Frequency (MHz) Map

Channel	Frequency (MHZ)	Channel	Frequency (MHZ)	Channel	Frequency (MHZ)	Channel	Frequency (MHZ)
14	473	28	557	42	641	56	725
15	479	29	563	43	647	57	731
16	485	30	569	44	653	58	737
17	491	31	575	45	659	59	743
18	497	32	581	46	665	60	749
19	503	33	587	47	671	61	755
20	509	34	593	48	677	62	761
21	515	35	599	49	683	63	767
22	521	36	605	50	689	64	773
23	527	37	611	51	695	65	779
24	533	38	617	52	701	66	785
25	539	39	623	53	707	67	791
26	545	40	629	54	713	68	797
27	551	41	635	55	719	69	803

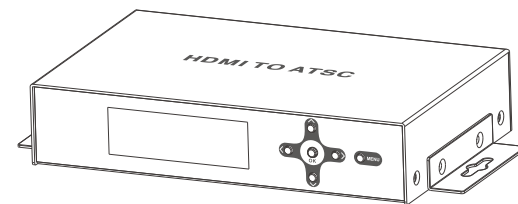
Disclaimer

The product name and brand name may be registered trademark of related manufacturers.TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference,and there may be some slight difference with the real products.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

HDMI to ATSC Converter

User Manual



Please read below safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repair or open this device without professional people's guidance.
5. Make sure good ventilation openings to avoid product overheating damage.
6. Shut off power and make sure environment is safe before installation.
7. Do not plug-in/out the connected cables when it is in using.
8. Make sure the specification matched if using 3rd party DC adapters.

• Product Introduce

This is an HDMI to ATSC Converter, perfect solution to distribute HDMI signal to ATSC standard digital cable television via coaxial cables. Output can be set to any channel number and injected directly to your CATV splitter to distribute to all your TVs, coexisting with all your current regular channels. Multiple this HDMI to ATSC Converter can be installed to distribute as many channels as you need. It's ideal solution systems, outdoor large screen display, shopping mall advertisement, media education fields etc.

• Package Contents



Converter x 1pcs



Power adapter x 1pcs



User manual x 1pcs

• Installation

1. Source devices (Device with HDMI Port, like PS3, Set-top box, DVD and PC etc.)
2. Display devices (TV with build-in ATSC , or standard ATSC Set-top box)
3. Cables (26AWG standard HDMI cable, 75-5/75Ω standard Coaxial Cable)
4. CATV Splitter if needed

• Features

1. Support ATSC digital high definition RF signal output
2. HDMI input signal resolution up to full HD 1080p@60Hz
3. Distribute one source to multiple displays with one modulator via CATV splitter
4. Support multiple modulators to be installed to distribute as many channels you need
5. Firmware upgradeable via USB port
6. " Channel" can be revised by buttons
7. Strong anti-noise and anti-interference ability

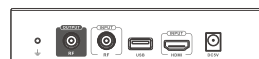
• Panel description

Front Panel



1 2 3

Back Panel



1 2 3 4 5 6

- ① LCM Screen
- ② Navigation button
- ③ Menu button

- ④ GND
- ⑤ RF Output
- ⑥ RF Input
- ⑦ USB port : firmware upgrade only
- ⑧ HDMI Input
- ⑨ Power port: (DC5V)

• Pushbuttons Operation and Setting

1. Press navigation button "OK" : enter the status for Channel Setting
2. Press navigation button "▲" or "▼" : for choosing your channel forward or backward
3. Press navigation button "OK" : enter the interface for confirming your setting
4. Press navigation button "◀" or "▶" : confirm by choosing "YES" or "NO"
5. Press navigation button "OK" : Channel Setting finished, and go back to the main interface

• Connection and operation

1. Point to point



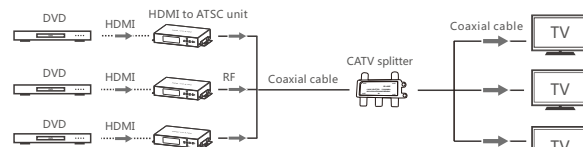
..... HDMI cable
— Coaxial cable

2. Point to multi-point



..... HDMI cable
— Coaxial cable

3. Multi-point to multi-point



..... HDMI cable
— Coaxial cable

Connection instructions :

- 1) Step 1- Connect HDMI source device with the HDMI to ATSC Converter by HDMI cables
- 2) Step 2- Connect the RF output of this HDMI to ATSC Converter with ATSC standard digital CATV or set-top box via coaxial cable
- 3) Step 3- Connect with power supply, choose country and channel, this device works

Note:If the length of coaxial cable is less than 100 meters, recommend to add an attenuator(20dB at least) with this converter unit to decay the signal.