



Instruction Manual

MG-CT-612

HD-One Ultra-thin PoH Receiver

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1.0 SAFETY PRECAUTIONS

Read all instructions before attempting to unpack, install or operate this equipment, and before connecting the power supply.



- Unpack the equipment carefully and save the original box and packing material for possible future shipment
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheat.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

2.0 INTRODUCTION

The HD-One ultra-thin Receiver provides extension for HDMI (up to 4k) signals, while providing HD extension up to 70 meters (230ft) and 4K extension up to 40 meters (130ft). The MG-CT-612 Receiver offers a seamless PoH installation with the MG-WP-611 series wall plates and its ultra-thin form factor allows the unit to be mounted easily behind any monitor. The MG-CT-612 is compatible with many Magenta HD-One TX's or tvONE CORIO® products providing extra flexibility and reliability.

3.0 FEATURES

- HDMI, Bidirectional RS-232 and IR
- Provides PoH (Power over HDBaseT), which is fully compatible with HD-One MG-WP-611 series wall plates
- HDMI 1.4 HDCP 2.2 compliant
- Delivers full HD video, 3D and 4Kx2K, RS-232 and IR
- HD extension up to 70 meters (230ft) and 4K extension up to 40m (130ft)
- Ultra-thin design easily fits behind monitors

4.0 OPERATION CONTROLS AND FUNCTIONS

FRONT AND REAR PANELS



Name	Description
LINK	HDBT Link status indicator: <ul style="list-style-type: none">• OFF: No Link• GREEN: Link Successful• Blinking GREEN: Link abnormal
HDCP	HDCP compliant indicator <ul style="list-style-type: none">• OFF: No HDMI traffic (no picture)• GREEN: Traffic with HDCP.• Blinking GREEN: Traffic without HDCP
POWER	OFF: No power; RED: DC power present.
RS232	RS232 connector
IR IN	Connect with 5V IR receiver (with carrier) to collect infrared signal, work with far-end IR OUT port.
IR OUT	Connect with 5V IR receiver (with carrier) to collect infrared signal, work with far-end IR OUT port.
HDMI OUT	Connect with HDMI display.
HDBT OUT	Connect to the HDBT OUT socket on the transmitter via CAT5e/ CAT6a cable.
DC 24v	Connect with power supply

5.0 SPECIFICATIONS

TECHNICAL SPECIFICATIONS

HDCP compliance	HDCP 2.2 compliant
Bandwidth	10.2Gbps
Video support	640x480@60 up to 4Kx2K@30
Audio impedance	Digital Audio via HDMI
Output	1 x HDMI
	1 x RS-232 via 3-pin terminal Block
	IR via 3.5mm
Input	HDBaseT via RJ45
Extension	1080p up to 230ft (70m)
	4K up to 130ft (40m)
Warranty	3 Years
MTBF (hrs)	TBD
Dimensions (H x W x D)	4.5"x 0.6" x 4.3" (115 x 16.2 x 109mm)
Weight (Net)	0.43 lbs (196g)
Power	Via 24V 1.25A DC power supply
PoH	48v*
Power Consumption	14w (max)
Operating temp	-10° to 40°C (4° to 104°F)
Humidity	10% to 90%
Regulatory compliance	FCC, CE

* Capable of powering the MG-WP-611 series wall plates

Specifications subject to change without notice

6.0 ORDERING INFORMATION

MG-CT-612	Ultra Slim HDBT Receiver with POH for MG-WP-611 wall plates, HDMI 1.4, RS232, and IR
MG-WP-611-US	HDBT wall plate TX with VGA and HDMI 1.4 input, extend 4K to 130', HD to 230', US form factor
MG-WP-611-EU	HDBT wall plate TX with VGA and HDMI 1.4 input, extend 4K to 40m, HD to 70m, Euro form factor

7.0 LIMITED WARRANTY

tvONE™ warrants the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a fixed term from the date of purchase. The warranty term for specific product lines is defined below.

1. tvONE branded products based on tvONE's CORIO™ technology are warranted for a period of five(5) years from the date of purchase. This includes products with the model number prefix of C2, 1T-C2, C3, CX, CM, CV, A2, or S2.
2. tvONE branded products, other than those based on tvONE's CORIO technology mentioned above, are warranted for a period of two(2) years from the date of purchase. This includes products with the model number prefix of 1T, with the exception of 1T-C2.
3. Magenta™ branded products are warranted for a period of three (3) years from the date of purchase.
4. LCD Monitors are warranted for a period of three(3) years from the date of purchase, with the exception of the LCD panels integrated into the monitors that are supplied by third parties. LCD panels are limited to the term and conditions of the warranty offered by the respective LCD panel manufacturer. Such specific LCD panel warranties are available upon request to tvONE.

Should a product, in tvONE's opinion, prove defective within this warranty period, tvONE, at its discretion, will repair or replace this product without charge. Any defective parts replaced become the property of tvONE. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations,

improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended.

If repairs are necessary under this warranty policy, the original purchaser must obtain a Return Authorization Number from tvONE and return the product to a location designated by tvONE, freight prepaid. After repairs are complete, the product will be returned, freight prepaid.

LIMITATIONS - All products sold are "as is". The above Limited Warranty is in lieu of all other warranties for this product, expressed or implied, and is strictly limited to the stated number of years from the date of purchase.

tvONE assumes no liability to distributors, resellers or end-users or any third parties for any loss of use, revenue, or profit.

tvONE makes no other representation of warranty as to fitness for the purpose or merchantability or otherwise in respect of any of the products sold. The liability of tvONE with respect to any defective products will be limited to the repair or replacement of such products. In no event shall tvONE be responsible or liable for any damage arising from the use of such

defective products whether such damages be direct, indirect, consequential or otherwise, and whether such damages are incurred by the reseller, end-user or any third party.

8.0 REGULATORY COMPLIANCE

This product has been tested for compliance with appropriate FCC and CE rules and regulations. The power adaptor/supply has been tested for compliance with appropriate UL, CUL, CE, PSE, GS Rules, regulations and/or guidelines. This product and power adapter is RoHS compliant.

9.0 LIABILITY STATEMENT

This product is intended for professional use. This product is not intended for use in a medical environment and does not have the required certifications for such use. Similarly, use aboard any aircraft or spacecraft while in flight or as an adjunct to any surface, airborne or marine navigation system or any offshore marine activity, including control of any watercraft, or any use similar to those specifically herein mentioned is prohibited. Use in the aforementioned circumstances would require additional testing and certification.

No warranty is made either expressed or implied including but not limited to any implied warranties of merchantability or fitness for a particular purpose. In no event shall the supplier or manufacturer of this product be liable for errors found within, or be liable for any direct, indirect or consequential damages or loss in connection with the purchase or use of this hardware, software or manual. The sole and exclusive liability to the supplier and manufacturer regardless of the form of action shall not exceed the replacement cost of the materials described herein.

tvONE reserves the right to revise any of its hardware and software products following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

By using this equipment, you have indicated that you have agreed to the terms listed above. If you do not wish to agree or the above terms are contrary to your conditions of purchase you may return the equipment, unused, to your supplier.

All third party trademarks and copyrights are recognized. The tvONE logo, Magenta logo, CORIO word and the CORIO logo are registered trademarks of tvONE. All other trademarks are the property of their respective holders.

E&OE

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