

MS-5005

HDMI 2.0 Pattern Generator / Test Analyzer

User Manual



rev: 151026
Made in Taiwan



Safety and Notice

The **MS-5005 HDMI 2.0 Pattern Generator / Test Analyzer** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the **MS-5005** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



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INTRODUCTION

MS-5005 HDMI 2.0 Pattern Generator / Tester Analyzer

FEATURES

- 4K2K60 4:4:4 8bit, 4K2K60 4:2:0 12bit HDMI Pattern Generator
- 4.3" touch panel
- Integrated Ethernet port for control & upgrade
- Supports USB device (mouse, USB, etc.)
- Battery powered for portability
- HDCP Test
- EDID Analyzer
- Loop Test
- CEC ping test of any HDMI device
- Video pattern testing

PACKAGE CONTENTS

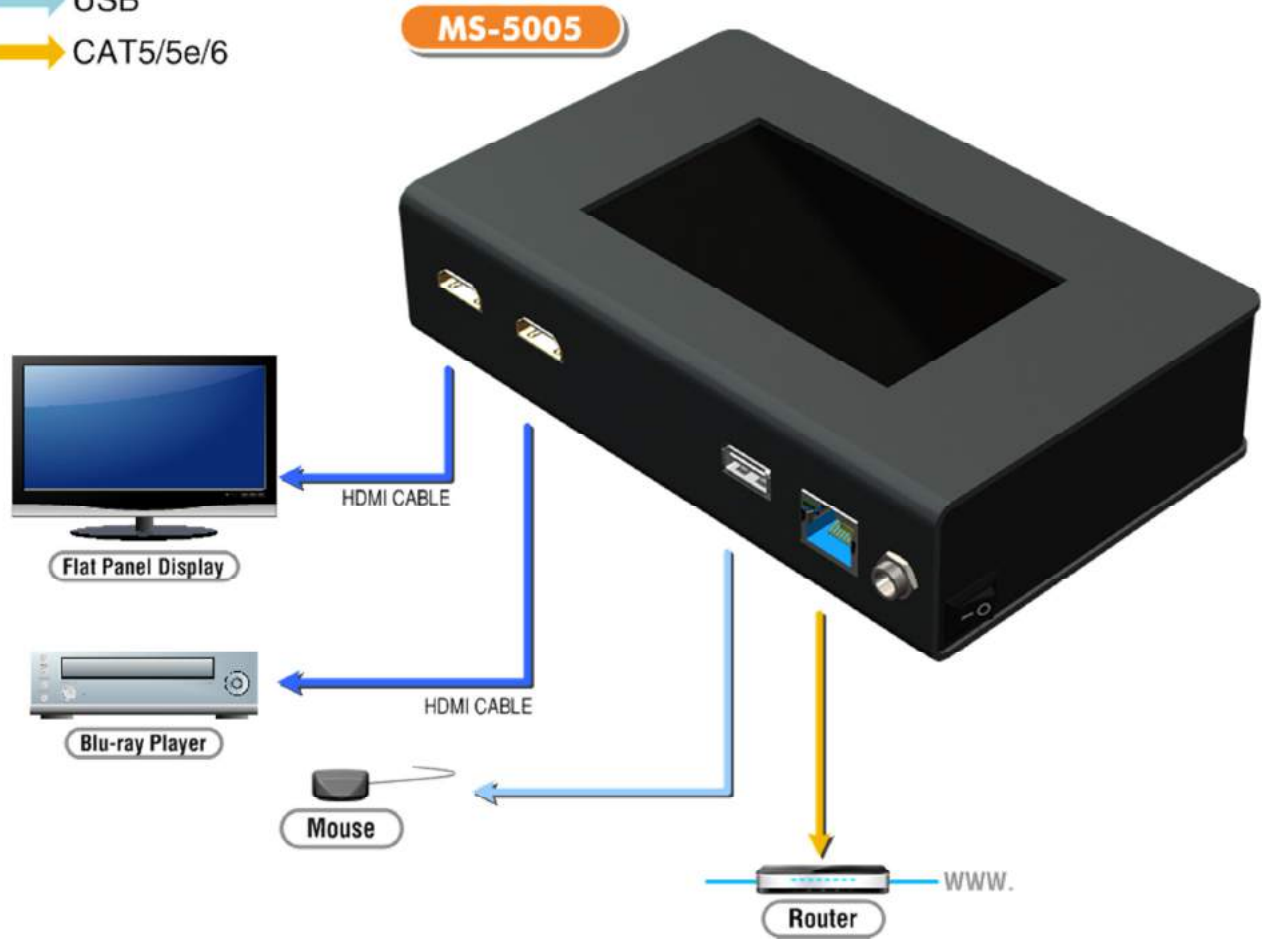
- 1x MS-5005
- 1x DC 12V 5A
- 1x User Manual

SPECIFICATIONS

Model Name	MS-5005	
Technical		
Role of usage	HDMI Pattern Generator / Test Analyzer	
Video bandwidth	Single link 600MHz [18Gbps]	
HDMI compliance	HDMI 2.0a	
Video Support	Up to 4K2K60 4:4:4 8bit, 4K2K60 4:2:0 12bit	
Video Format Support	HDMI	
Audio support	8ch LPCM up to 192K	
Control	USB mouse / touch panel	
ESD protection	Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge]	
Input	1x HDMI + 1xUSB + 1x RJ-45(Ethernet)	
Output	1x HDMI	
USB Support	USB 2.0	
HDMI connector	Type A [19-pin female]	
USB Connector	Type A	
RJ-45 connector	WE/SS 8P8C with 2 LED indicators	
Mechanical		
Housing	Metal enclosure	
Dimensions (L x W x H)	Model	
	Package	
	Carton	
Weight	Model	
	Package	
Power supply	12V 5A DC / Battery	
Power Consumption	40 Watts	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

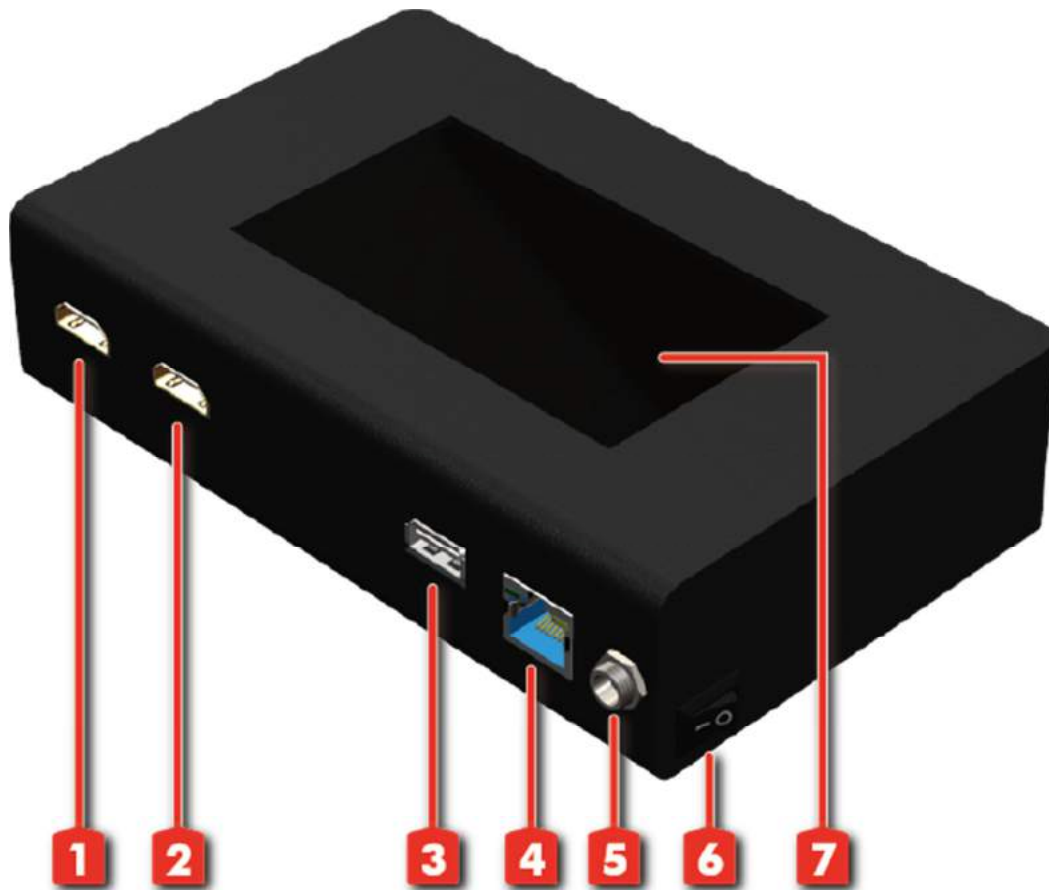
CONNECTION DIAGRAM

- HDMI
- USB
- CAT5/5e/6



PANEL DESCRIPTIONS

MS-5005



- 1. OUTPUT:** HDMI output
- 2. INPUT:** HDMI input
- 3. USB:** Connect to USB device for control and firmware update
- 4. Ethernet:** Ethernet control port and firmware update
- 5. +12V DC:** 12V 5A DC power jack
- 6. Power Switch:** Power ON/OFF switch
- 7. Touch Panel:** Touch screen for control and setting

WARRANTY

The SELLER warrants the **MS-5005 HDMI 2.0 Pattern Generator / Test Analyzer** free from defects in the material and workmanship for 1 year from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 1 year warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the **MS-5005** features and specifications is subject to change without further notice.