

HDMI Splitter

Model No. CS 17-4 D

Operating Instructions



Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

FEATURES

- Easy to Use: Install in seconds, no need for setting.
- Distribution: One HDMI input, four identical HDMI outputs.
- Support high definition resolutions 1080p, 1080i, 720p and other standard video formats, PAL and NTSC.
- Customer can configure EDID function to enable the best compatibility.
- HDCP compliant.
- HDMI High Speed version.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE:

- 1) DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.
- 2) DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED.
- 3) TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS,

- TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- 4) DO NOT INSTALL NEAR ANY HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER APPARATUS (INCLUDING AMPLIFIERS) THAT PRODUCE HEAT.
 - 5) DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
 - 6) CLEAN THIS APPARATUS ONLY WITH DRY CLOTH.
 - 7) UNPLUG THIS APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
 - 8) PROTECT THE POWER CORD FROM BEING WALKED ON OR PINCHED PARTICULARLY AT PLUGS.
 - 9) ONLY USE ATTACHMENTS/ACCESSORIES SPECIFIED BY THE MANUFACTURER.
 - 10) REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.

TABLE OF CONTENTS

Introduction
Shipment
Panel Descriptions
Connect and Operation
EDID, DIP Switch Setting
Specification
Typical Application
Maintenance
Product Service

INTRODUCTION

CS 17-4 D is a four-way HDMI splitter. Functionally, distributes the input HDMI signal to four identical HDMI outputs. These four outputs are synchronized.

CS 17-4 D has the ability of pre-emphasis and equalization. Multiple cascaded CS 17-4 D achieves long distance transmission of HDMI signal of more than 15 meters.

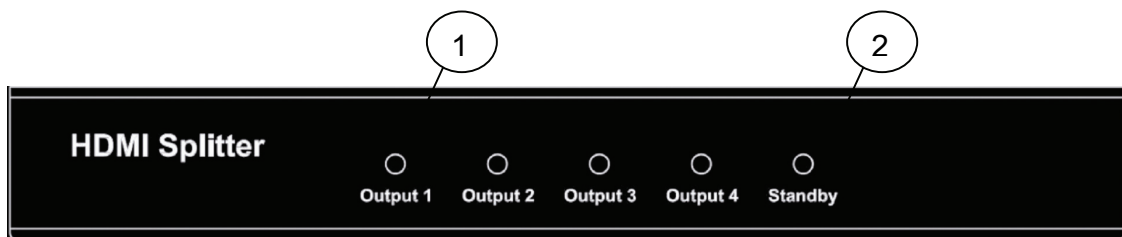
CS 17-4 D offers solutions for usage as component of digital HDMI distributions and entertainment systems also HDTV retail and general show sites. Use in conjunction with HDTV, HD Projector, STB, BD, DVD, HD Media Player and in environment where noise, space and security are concerns. Fits perfectly in data center control rooms, information distribution premises, conference and presentation rooms, school educational facilities and corporate training environments.

PACKAGE CONTENTS

- 1) Main unit CS 17-4 D
- 2) 5 V DC Power Supply
- 3) Operating Instructions

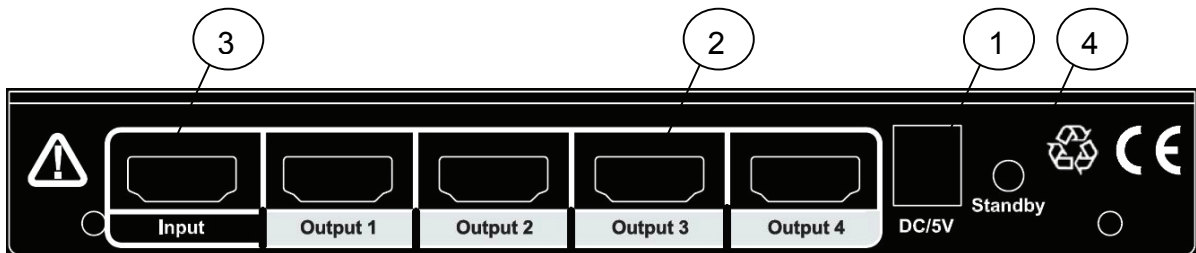
PANEL DESCRIPTIONS

Front Panel



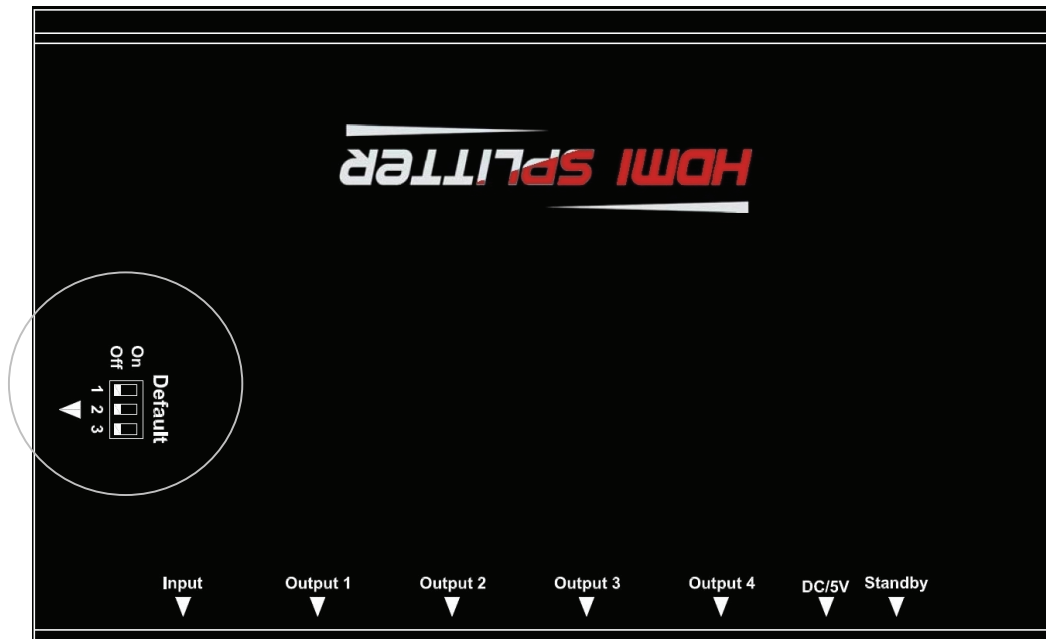
- 1) Indicator of HDMI outputs. When the HDMI equipment is connected, the corresponding LED will be lit.
- 2) Standby – LED illuminates green while on standby mode, red when the device is in operation.

Rear Panel



- 1) Power input
- 2) HDMI outputs (4 x)
- 3) HDMI input
- 4) Standby Button

Device Top View



Device cover is labelled for DIP Switch (EDID² setting) and for easy HDMI port recognition especially useful when Mounting Ears are used for fixation.

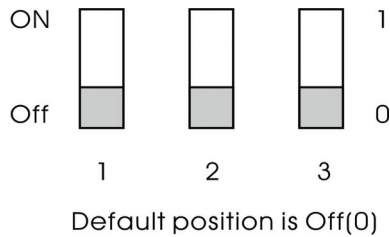
²) EDID: Extended Display Identification Data

CONNECT AND OPERATE

- 1) Connect the HDMI input sources into CS 17-4 D. (Input cables are optional)
- 2) Connect the HDMI output equipments into CS 17-4 D. (Output cables are optional)
- 3) Insert the DC side of 5V power supply into CS 17-4 D and then connect the AC side of the power supply into the wall outlet.
- 4) Switch on the source and the display.
- 5) Power up the device with the standby button if it does not start on its own.
- 6) Correct the EDID settings if necessary (for explanations see next page).

Attention! : Insert / Extract cables gently

*DIP Switch EDID setting index:



Position1	Position2	Position3	Function
0	0	0	EDID Mixing
0	0	1	Copy EDID from the specific sink ^{*remarks}
0	1	0	Force to HDMI High Speed(Using Embedded EDID)
0	1	1	Force to HDMI Standard(Using Embedded EDID)

*Remarks: When the splitter is powered on, it will detect the active sink devices by sequence started from output1, and the first sink it detects will be the one from where will be copied EDID from. If there is no active sink from the beginning when power was on, the first connected sink device will be source of EDID data from where will copy.

Example 1:

Source: 720i,720p,1080i1080p
 Display1: 720p,1080i,1080p
 Display2: 480p,720p,1080i
 Display3: 480i,480p,720p

Display1 is the EDID-reference in according with the source to 1080p, Display2 and Display3 show no picture, because they can not show these resolution.

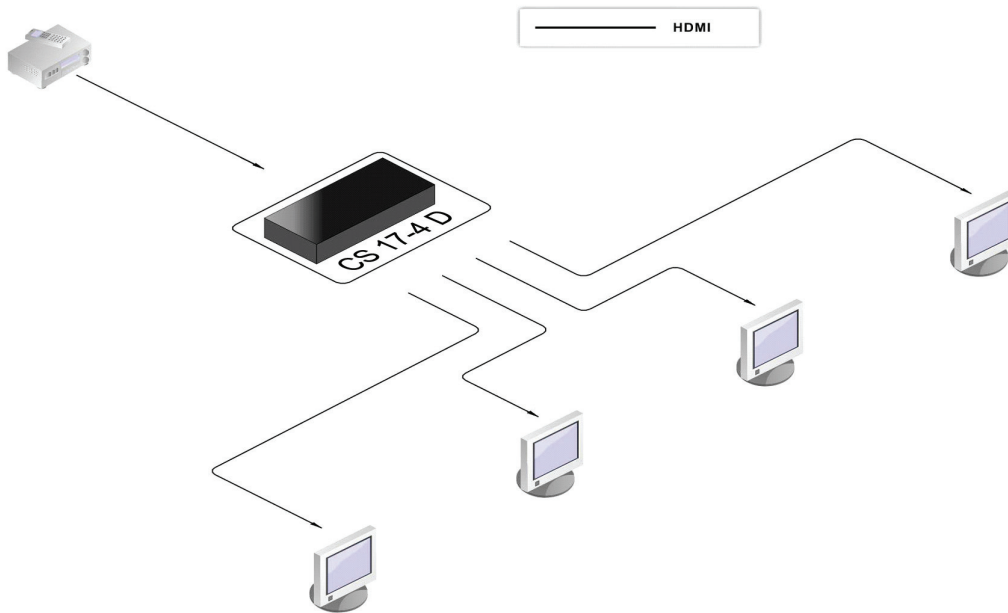
Example 2:

Source: 480p,720p,1080i
 Display1: 720p,1080i,1080p
 Display2: 480p,720p,1080i
 Display3: 480i,720p,1080i

Display1 is the EDID-reference in according with the source to 1080i, Display2 and Display3 show picture too.

The maximum resolution is dependent on the source in connection with the connected display. Please note, therefore, the maximum resolution of your devices as may be otherwise no image can be displayed!

TYPICAL APPLICATION



SPECIFICATIONS

Operating temperature range.....	-5 to +35°C(-41 to +95°F)
Operating humidity range.....	5 to 90 % RH (no condensation)
Video Amplifier Bandwidth.....	2.25Gbps
Input Video Signal.....	0.5-1.0 volts p-p
Input DDC Signal.....	5 volts p-p (TTL)
Maximum Single Link Range.....	1080P Deep Color
Video format supported:	
VESA:	640x480, 800x600, 1024x768, 1280x1024, 1600x1200, 1920x1200
DTV/HDTV:	480i/576i/480p/576p/720p/1080i/1080P
Output Video.....	HDMI High Speed
Power Consumption.....	10 Watts (max.)
Power Supply.....	5V DC
Dimensions.....	175mm (W) x 24mm (H) x 114mm (D)
Mass.....	0.5 Kgs

Note: Specifications are subject to change without notice.

MAINTENANCE

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

PRODUCT SERVICE

- 1) **Damage requiring service:** The unit should be serviced by qualified service personnel if:
 - (a) The DC power supply cord or AC adaptor has been damaged;
 - (b) Objects or liquids have gotten into the unit;
 - (c) The unit has been exposed to rain;
 - (d) The unit does not operate normally or exhibits a marked change in performance;
 - (e) The unit has been dropped or the cabinet damaged.
- 2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized service personnel.
- 3) **Replacement parts:** When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- 4) **Safety check:** After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

