CDV

With Ethernet

User Manual

CDV
Timing to Video

Interspace Industries

interspace industries

Cueing and Presentation Control Specialists

Contents

Introduction

CountDown Video (CDV) is a system that has been requested by customers who require a video output on HDMI at 1080p.

Using the timing controllers CDTouch, CDSoft or FiliBuster this unit will generate a video signal of 1080p with either a built-in or user-supplied background. The position and size of the time can be changed with a USB keyboard. Other features such as font can also be changed.

Ethernet has been included and is set up as plug and play but must be used with a router with DHCP (further options are possible).

The unit takes power from the Controller or from external 12VPSU if running with Ethernet.

Meeting Control Made Easy!

We hope that **CDV** exceeds your expectations and welcome any feedback that you have about this or any of our products.

Thank you.

The Interspace Industries Team

www.interspaceind.com

Safety Instructions

All safety and operating instructions should be read prior to first use of this product and should be retained for further reference. Please adhere to all warnings on this product and in these operating instructions. Please follow these instructions carefully.

Keep Away From Harmful Substances

To prevent the risk of electric shock and fire; do not expose this device to rain, humidity or intense heat sources (such as radiators or direct sunlight). Avoid using this equipment in environments where there is excessive heat, dust, moisture, chemicals, vibration or mechanical shock.

Slots and Openings: These are designed for ventilation and to avoid overheating. Always ensure these openings remain clear. **Do not attempt to insert anything into these openings under any circumstances.** If liquids have been spilled on, or objects have fallen into the product, it must be checked by a qualified technician before reusing.

Connections: All inputs and outputs (except for power input) are TBTS defined under EN60950.

DO NOT OPEN SYSTEM DUE TO HIGH VOLTAGE.

DO NOT IMMERSE IN WATER.

If you have any queries regarding these safety instructions or how to maintain the unit please do not hesitate to contact us on:

+44(0) 1462 600 101

Servicing. Do not attempt to service this product yourself. Should an unauthorised person attempt to either open the covers or service our products, it may invalidate your Limited Factory Warranty. In addition, opening or removing covers and screws may expose you to electric shocks or other hazards. Refer all servicing to qualified service personnel.

Setting Up

You will need an XLR cable from the controller and an HDMI to your display or video system. When using the CD Soft , the computer should be connect to the Expander via USB and the Expander connected to the CDV via XLR. The CDV then connects to your display or video system via HDMI as before.

You will also need a USB keyboard if you wish to adjust the display preferences of the unit, E.g. size and position of the displayed time.

The background can be switched from the picture to black on the keyboard or by replacing it with a file called **background.jpg** on a USB memory stick.

Operating instructions

CDV—CountDown Video is a self-contained data to video converter for displaying the time from a CDTouch, Soft Countdown or Filibuster. The power and signal out from these units will drive the CDV via XLR.
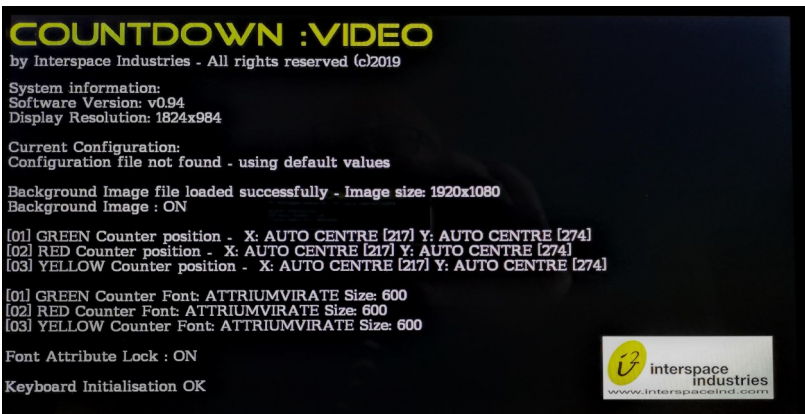
Connect the unit to your display first, it will need to see the HDMI monitor to output a signal at boot up. Connect the controller and it will boot in about 30 seconds. If a time signal is received, it will display it on the screen together with the chosen background.

If you use the Ethernet connection you will need to use connect the display first then the ether net cable then the external power supply (12V)

Keyboard functions (if needed)

Move numbers – Arrows

Size of numbers – + / -

Font Green – toggle G

Font Yellow – toggle Y

Font Red – toggle R

CTRL + Y—enable Vertical auto centring

CTRL + X—enable Horizontal auto centring

B—toggles background on and off

CTRL + I—Displays Start up information page

{L} enable font lock, locks size / position/typeface of all counter fonts together

{U} disable font lock, unlocks size / position/typeface of all counter fonts together

CTRL + ALT + D—reset all settings to factory default

CTRL + ALT + S—Save all setting to non volatile memory

{CTRL} + I —   Start up information page

COUNTDOWN :VIDEO
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System information:
Software Version: v0.94
Display Resolution: 1824x984

Current Configuration:
Configuration file not found - using default values

Background Image file loaded successfully - Image size: 1920x1080
Background Image : ON

[01] GREEN Counter position - X: AUTO CENTRE [217] Y: AUTO CENTRE [274]
[02] RED Counter position - X: AUTO CENTRE [217] Y: AUTO CENTRE [274]
[03] YELLOW Counter position - X: AUTO CENTRE [217] Y: AUTO CENTRE [274]

[01] GREEN Counter Font: ATTRIUMVIRATE Size: 600
[02] RED Counter Font: ATTRIUMVIRATE Size: 600
[03] YELLOW Counter Font: ATTRIUMVIRATE Size: 600

Font Attribute Lock : ON

Keyboard Initialisation OK

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{CTRL} + H — this help page

Specifications:

Power

From Controller 12V 400mA

Signals

From Controller, 12DC and RS232

HDMI out 1080P

Ethernet 100BaseT

Dimensions mm (inch)

D x W x H

110mm(4.3/8") x 154mm (6.1/8") x 57mm (2.1/4")

Weight

725g (26oz)

Note XLR, HDMI, Ethernet cables and USB keyboard are not supplied as standard.

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WARNING

Any changes you make here are at your discretion and are NOT covered by any warranty.

The Ethernet module can be set up for a different mode of connection such as Fixed IP instead of DHCP.

Below are the configurations of a working system.

If you change the Password or Username and cannot remember them, the unit can only be used as you have left it. At best, it will have to be scrapped.

It is assumed you will have a knowledge of IP to do this. Consult an expert if needed.

You have been warned.

To log into the unit—find its IP address using your router's functions on DHCP
Username — i2adm Password — i2adm

Receiver set up.—

As can be seen, this has been set to UDP server. Use the port number of 36700 for all (the Remote port below (4097) has been automatically assigned).

The unit's name and logon details are under Misc Config

Do not change the Username and Password to ensure that you can log back in.

In this example the Module name is

i2 TIMING RX

DHCP Configuration

In order for the unit to work on most LANs the units have been set to DHCP mode so that the router can assign the IP address to each unit.

It is possible to set the unit to TCP mode —We have not extensively tried this but we know it is possible! We would like to hear what you do so we can pass it on!

Front View of the system unit.

Rear View of the system unit.

Environmental

WEEE , RoHS & REACH Compliance. This product been manufactured and sold in accordance with the requirements of the EC WEEE, RoHS directives. Please return all end-of-life items to your supplier, or Interspace Industries directly, for appropriate disposal.

Check website for latest certificates where required and further regulations, standards and working practises .

Packaging Materials:

Cardboard box: Grade 150K/T 'B' (Single Walled Corrugated- Brown Kraft)

Protective Foam: Grade HLB 22 Grey Foam (High Load Bearing)

⚠️ **Prop 65**

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Packaging Materials:

Cardboard box: Grade 150K/T 'B' (Single Walled Corrugated- Brown Kraft)

Protective Foam: Grade HLB 22 Grey Foam (High Load Bearing)

DECLARATION OF CONFORMITY

We declare under our sole responsibility that the products:

CDV

(Part No: CDV)

Conform to the following standards:

EN 62368-1:2014 Audio/Video, Information ,

Communication technology equipment—Part 1: Safety Requirements

EN 55032:2015 (Emissions) / EN 55035:2017 (Immunity)

Following the provisions of the EEC Directive 2014/30/EU and 2014/35/EU

Issued on: Date 04 November 2019

Dave Humphrys
CEO, Interspace Industries
Unit 7, Polaris Centre,
41 Brownfields, Welwyn Garden City
Herts, AL7 1AN, UK

FCC Compliance Information Statement

Declaration of Conformity

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

We, Interspace Industries, have determined that the above named equipment has been shown to comply with the applicable technical standards. Furthermore, we warrant that each unit of equipment marketed is identical to the unit tested and found acceptable with the standards. The records maintained continue to reflect the equipment being produced within the variation that can be expected due to quantity production and testing on a statistical basis.

Manufacturer:	Interspace Industries
Responsible Party in the USA:	Interspace Industries LLC
Product:	CDV
Authorisation Procedure:	Declaration of Conformity

Equipment Supplied

1 x CDV
1 x 12V PSU

For Technical Support Or Sales Enquiries:

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