

Countdown²

User Manual



**interspace
industries**

Cueing and Presentation Control Specialists

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Introduction

CountDown² is the ideal product for those events running to tight schedules. CountDown² works by displaying either real time or the elapsed/remaining time on discrete numeric displays for the benefit of a presenter.

The system can be set to any required duration and can count up or down. To remind the presenter to summarise and conclude, the display digits can also be programmed to change colour from Green, to Amber or Red.

A 75mm (3") tri-colour display option is available for long distance viewing and an Intelligent lamp option can also be used to only show the colour change.

Professional Presenter Timekeeping

We hope that **CountDown²** 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 before this product is operated and should be retained for further reference. Please adhere to all the warnings on this product and in these operating instructions. Please follow these instructions carefully.

Power. Only use the power source indicated on the device. Devices equipped with a grounded plug should only be used with a grounded type outlet. In no way should this grounding be disconnected, modified or suppressed.

Power Supply Lead. To unplug the device always pull by the plug itself, not the power supply lead. The power source outlet should always be near the Countdown2 main unit and easily accessible. Ensure the power supply lead cannot be walked on or damaged by items placed on or against it. **Do not use if the power supply lead is damaged.** Using the device with a damaged power supply lead may expose you to electric shock or other hazards. Check the condition of the power supply lead regularly. Contact your dealer or service centre immediately for a replacement if damaged.

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 shocks.

Slots and Openings. These are designed into the device 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 re-using.

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 600101

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

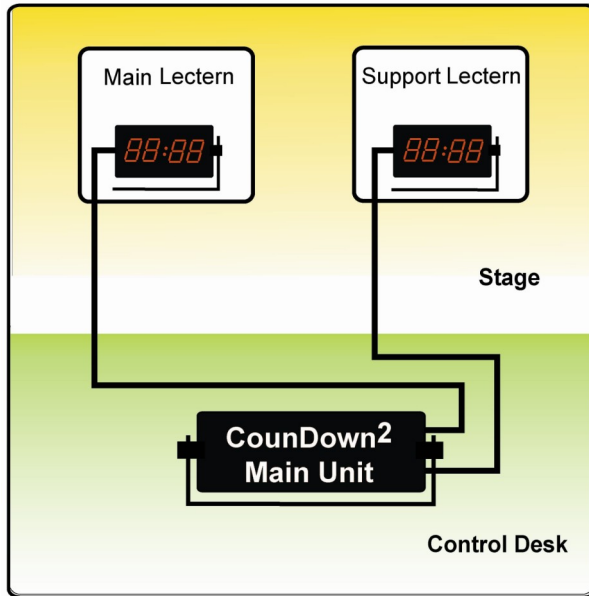
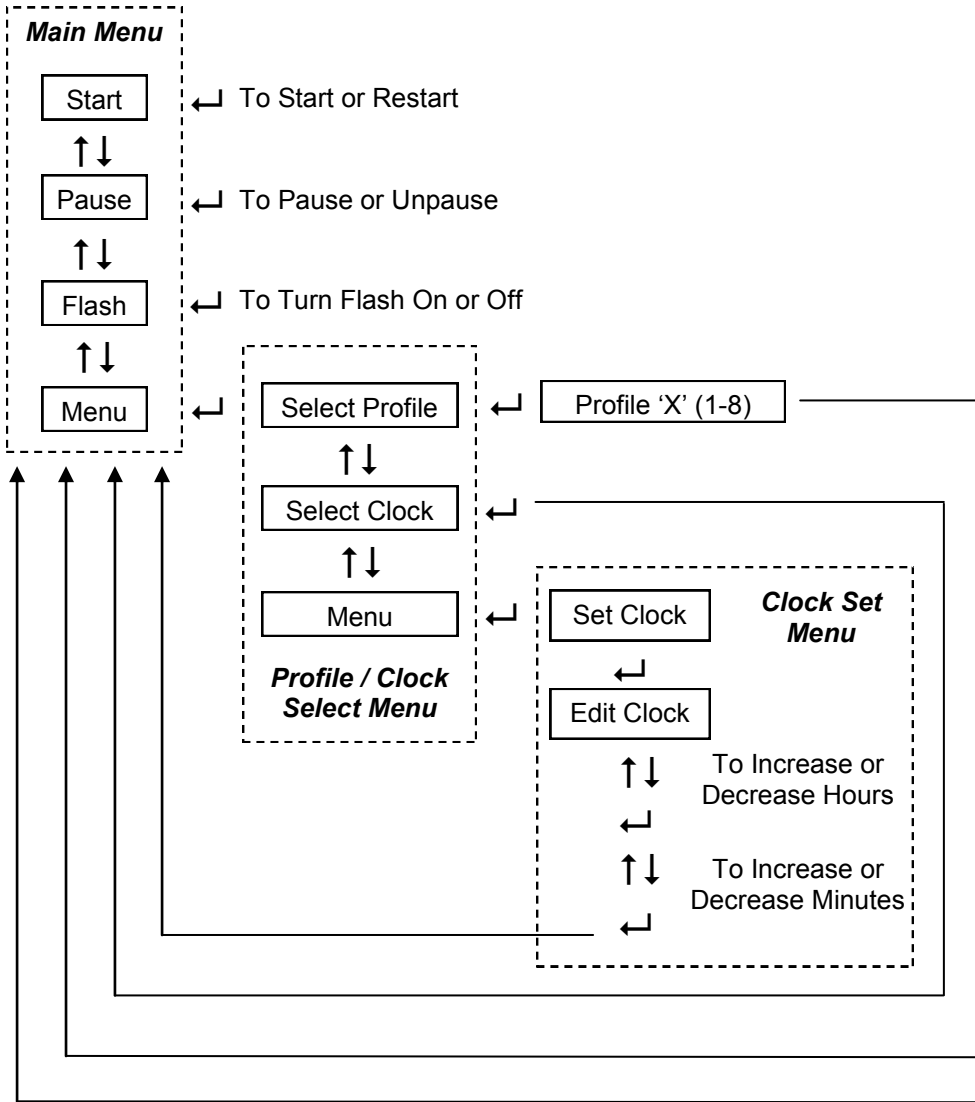


Figure 1 Connections Diagram

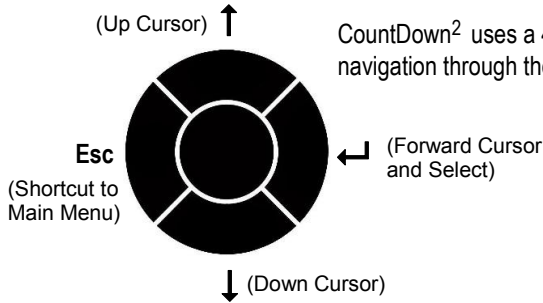
All connections can be made using standard 3-pin XLR (mic) cables. CountDown² can be set up and operated over a combined total distance of at least 100 metres (300ft).

Note: A combination of displays and optional intelligent lamps can be added to the system using standard mic cable splitters (3-pin XLR type), thereby providing for multiple displays located on more than one lectern perhaps. The sum of the total distance between **all** displays and the main unit should not exceed 100m (300') however.

CountDown² Operation and Programming Diagram

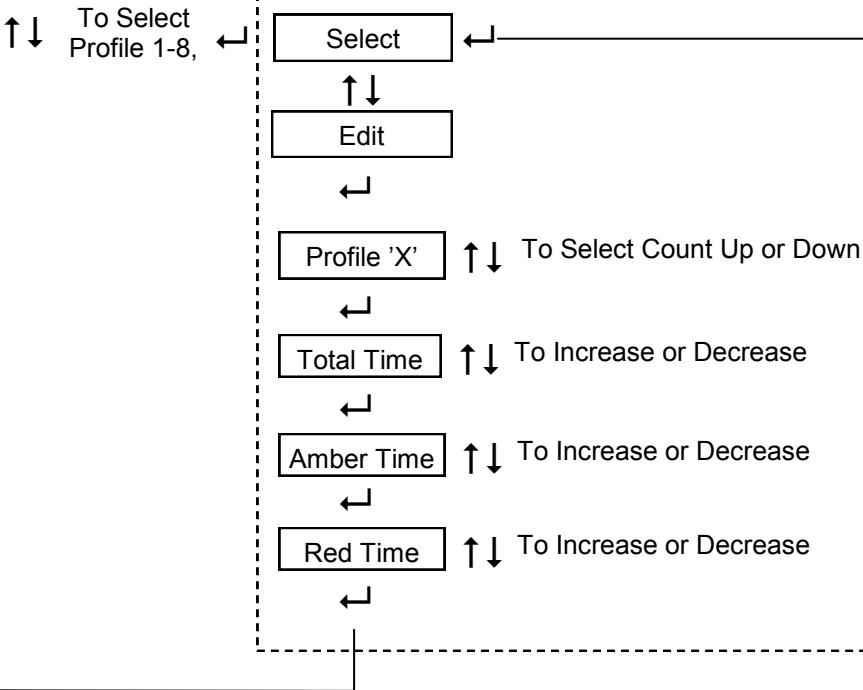


CountDown² Keypad



CountDown² uses a 4-key keypad for simple navigation through the menu system.

Profile Program Menu



General Features

Count Up or Down. The system can be programmed to run timer profiles that count up or down.

Colour Changes. The system can be programmed to change the colour of the remote displays at predetermined times during a timer profile. This provides a means of emphasising elapsed or remaining times. The remote displays can change from red, to amber and green for elapsed times (count up mode) or green, amber and red for remaining times (count down mode).

Note: The twin LED separator between the hours and minutes digits on the remote displays is coloured red when the digits are either amber or green, and green when the digits turn red.

Intelligent Lamp Option. In addition to the numerical remote displays, tri-coloured 'Intelligent lamps' can be used to simply display the pre-programmed colour changes to further emphasise stages of the elapsed or remaining time. The lamps will change colour in the same way as the numerical remote displays, according to the programming of the profile that is running.

Flash Mode. At any time the remote displays and/or intelligent lamps can be made to flash to further emphasise the elapsed or remaining time. The flash feature can be used while displaying real time in clock mode also.

Pause Mode. At any time while either a timer profile is running or the system is in clock display mode, the remote displays can be extinguished by selecting 'Pause' from the main menu. This will also pause the timer profile which can then be resumed by taking the system out of pause mode. Pausing the system when in clock mode only extinguishes the remote displays. The real-time clock continues to run at all times.

Programming 'On the Fly'. Countdown² is designed so that an operator can program or edit timer profiles at any time while another timer profile is running or the system is in clock display mode. This allows for easy adjustments to the timing of an event whenever required.

Main Menu Shortcut. Pressing the 'Esc' button on the keypad when in any other menu returns the user directly to the Main menu. This provides for rapid response to situations during an event that may require the pausing of a timer profile that is running at the time.

Operating Instructions

Unpacking and Connections. Unpack the main unit and place on a flat surface within easy reach of the operator. Adjust the angle of the main unit by loosening the bracket securing fasteners on each side of the main unit and re-tightening once the most comfortable angle is achieved.

Unpack and position the remote displays where they can be viewed by the presenter and connect these to the main unit using standard 3-pin XLR (mic) cables.

Note: Additional remote displays can be added to the system using standard mic cable splitters but the sum of the total distance between **all** displays and the main unit should not exceed 100m (300').

Apply power to the main unit using the universal IEC power connector input on the side of the main unit. The LCD display on the main unit will illuminate showing the software version and then the main menu options.

The remote displays will remain off until the system has been taken out of the power-up default pause mode and either a profile has been started or the clock mode has been selected.

Programming a Timer Profile

(refer p6-7 for the Operation and Programming Diagram)

1. From the Main Menu, move the cursor to the 'Menu' option using the ↑ ↓ keys on the keypad and then select it using the ↵ key.
2. Select the 'Select Profile' option using the ↵ key.
3. Using the ↑ ↓ keys, scroll through the profiles you wish to run or edit (1-8) then confirm using the ↵ key.
4. You can now return to the main menu to run this profile using the ↵ key again, or choose the 'Edit' menu using the ↓ key and then the ↵ key.
5. In the 'Edit Menu' you can select either count 'Up' or count 'Down' mode using the ↑ ↓ keys and then confirm using the ↵ key.
6. You can now program in hours and minutes the total time of the profile (count down mode only), the time at which the colour changes to amber and the time at which the colour changes to red using the ↑ ↓ and ↵ keys.
7. Upon confirming the red minutes time setting you are returned to the profile select menu. You can now return to the main menu to run this profile using the ↵ key again, or choose the 'Edit' menu using the ↓ key and then the ↵ key to program or edit further profiles.

Running a Timer Profile

(refer p6-7 for the Operation and Programming Diagram)

1. Firstly select the profile you wish to run using steps 1-4 in the 'Programming a Timer Profile' instructions.
2. Once back at the Main Menu, ensure the system is not paused (see 4 below) then simply press the ↵ key to start the profile. The remote displays will illuminate and commence displaying the programmed colours and times.

3. To pause the profile simply use the ↑ ↓ keys to move the cursor to the 'Pause' option and press the ↵ key to confirm. This will pause the timer and extinguish the remote displays.
4. To un-pause the system, use the ↑ ↓ keys to move the cursor to the 'Pause' option and press the ↵ key to confirm. This will resume the timer. The remote displays will illuminate again and resume displaying the time and colour

DECLARATION OF CONFORMITY

We (Interspace Industries, Unit 1a, 126 Great North Road, Hatfield, Hertfordshire, AL9 5JN, UK) declare under our sole responsibility that the products:

CountDown²
Big Display
CountDown² Intelligent Lamp

(Part No's: CD2, CD3INCH, CDIL)

Conform to the following standards:

EN60950-1:2006/A1:2010

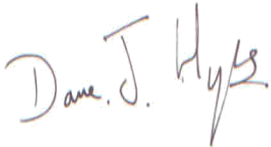
BS EN 61000-6-3:2007

BS EN 61000-6-1:2007

Following the provision of:

The Low Voltage Directive 73/23/EEC and
The Electromagnetic Compatibility Directive 89/336/EEC

Revised: May 2011



Dave Humphrys,
Managing Director, Interspace Industries

Environmental

WEEE and RoHS Compliance. Countdown² and its associated accessories have been manufactured and sold in accordance with the requirements of the EC WEEE and RoHS directives. Please return all end-of-life items to your supplier, or your local Interspace Industries representative directly, for appropriate disposal.

Packaging Materials:

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

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

FCC

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Equipment Supplied

- 1 x Countdown² Main Unit
- 2 x 25mm Remote Displays
- 1 x IEC Power Cable

For Technical Support or Sales Enquiries:

Interspace Industries Head Office:

+44 (0) 1462 600101

Emergency Technical Support Hot Line:

+44 (0) 7976 385 046

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