MasterCue V5 *USB*

User Manual

interspace industries

Cueing and Presentation Control Specialists

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Introduction

The MasterCue V5 *USB* is the true professional's presentation cueing system. Featuring USB interfacing, the MasterCue V5 *USB* can now connect to computers and directly control PowerPoint presentations as well as providing visual and audible cues.

The V5 *USB* has continued to evolve throughout all MasterCue range models, building on such strengths as the robust case and the AV industrial grade wireless RF system and hard-wired remote controls.

With 2 buttons the presenter can request to go backwards if required, or to communicate an alternative presentation function (e.g. go to black or restart). The visual and audible cues are easy to understand and designed to clearly indicate which button has been pushed and what cue action is required.

If a production intercom system is being used, the audible cues can be injected into the operators headset using the Comms Loop-through feature.

The MasterCue V5 USB is the only choice when a missed cue is just not an option!

We hope the MasterCue V5 USB 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

SAFTEY INSTRUCTIONS

All the 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 Cord. To unplug the device, do not pull the power supply cord but always the plug itself. The power source outlet should always be near the MasterCue main unit and easily accessible. Ensure the power supply cord cannot be walked on or damaged by items placed on or against it. **Do not use if the power supply cord is damaged.** Using the device with a damaged power supply cord may expose you to electric shock or other hazards. Check the condition of the power supply cord 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 thedevice 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)870 770 8088

Servicing. Do not attempt to service this product yourself. Opening or removing covers and screws may expose you to electric shocks or other hazards. Refer all servicing to qualified service personnel.

Federal Communications Commission

Handset Transmitters (FCC ID: T3Q I2TX)
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.

Main Unit, Receiver Unit and Wired handsets
NOTE: This equipment has been tested and found to comply with the limits of 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.

Warning ! Any modification or changes made to these devices, unless explicitly approved by Hive Industries, will invalidate the authorisation of the device. Operation of an unauthorised device is prohibited under Section 302 of the Communications Act of 1934, as amended, and Subpart I of Part 2 of Chapter 47 of the Code of Federal Regulations.

OPERATING INSTRUCTIONS

Unpacking and Connections. Unpack the Main Unit and place on a flat surface within easy access for the Operator. If using the keyboard control please see this separate section also.

Main Unit, Receiver Unit and Handsets. Place the RF Receiver Unit behind the stage in close proximity to the wireless handsets being used (not closer than 2metres as signal overloading may occur). **Ensure the antenna is vertical.** Connect this to the 'RF in' input on the MasterCue V5 Main Unit using a standard 3-pin XLR cable. Connect each of the wired handsets to the left and right 'Wired Cue Buttons' inputs on the MasterCue V5 Main Unit also using standard 3-pin XLR cables.

It is important to ensure the 3-pin XLR cables do not have phase reverse. The cables must be wired pin to pin. Standard connections are:

1. Common ground and power return
2. Signal and DC Power
3. Signal and DC Power

Comms Loop-Through. If the operator wants to hear the audible cue tones through their intercom headset, the operator's intercom system belt pack should be positioned near the MasterCue Main Unit. The two Comms Loop Through connectors on the Main Unit are bi-directional so simply unplug the headset from the belt pack and then plug it into the matching 'Comms Loop Through' connection on the Main Unit. Connect one end of the blue Comms adaptor lead (supplied with the MasterCue V5) into the now vacant connector on the belt pack. Insert the other end into the remaining 'Comms Loop Through' connector on the MasterCue V5 Main Unit. This system is designed to work with most available comms systems that have 4 pin XLR connectors on the headset.

Power. Insert the power IEC socket into the rear of the main unit and the power plug into a suitable power outlet. Turn on the power source.

Start-up. The system will do a short test, during which the display on the Main Unit will show that it is working correctly. Check the system by pressing any of the handset buttons to give a cue. The display on the Main Unit will show that a cue has been received.

Resetting the Main Unit. To reset the Main Unit to all the factory default settings, disconnect the power from the Main Unit, wait 20 seconds and then press and hold the down arrow button beside the main display on the Main Unit while reconnecting the power. The unit will attempt to start and pause when then the main display shows the Volume level at maximum. Release the down arrow button and the system will then re-start and restore all factory defaults.

Internal Speaker. Normal reset setting of the internal speaker function is off. The speaker can be turned on and off using the button on the front panel of the Main Unit. This does not affect the audio output via the 1/4 inch jack or the Comms Loop-Through system

Safe & Unsafe Mode. Normal reset mode for this is safe mode (on). In safe mode the length of the cue (or 'persistence') will be of a fixed duration, irrespective of how quickly or slowly the presenter presses the cue button on the handset. In unsafe mode the duration of the cue will be the same as the time the cue button is pressed for. (i.e. very short presses of the button will give very short cues!)

Tone & Volume. Normal reset mode for this is volume mode (on). When the Tone and Volume button is on, the arrow buttons beside the main display will control the level of the audible cue tones. A relative level will be shown on the display. When the Tone and Volume button is off, the arrow buttons will now control the tone selection and the display changes with each tone option.

Presenter / Operator Control. Normal reset mode for this is Operator Control mode (off). This function switches between direct control of the computer running the presentation (Presenter Control), and indirect control where the operator has to control the presentation upon receiving the visual and audio cues from the presenter (Operator Control).
This is connected to the PC vial a USB series A-B. PC systems with WIN XP operating system or later, via the USB Port. Once this has been selected for Presenter mode the unit will "talk" directly with the PC and will action its preset keystrokes.

NOTE: It is recommended that you always fully test Presenter Control mode with the computer thoroughly during rehearsals!

Programming Special Cues. Presentations can be controlled in numerous ways. For example from the keyboard pressing ‘B’ when in PowerPoint slide-show mode will take the screen to Black, ‘W’ will take the screen to White, `12-return’ will advance to slide number 12 and ‘1-return’ will take the presentation back to the beginning of the presentation. The NEXT and BACK handset buttons can be programmed to perform special cues such as these instead of the default “next and back” commands.

To do this, with the power connected, connect the external keyboard (PS2 type) to the keyboard input on the rear of the MasterCue V5 *USB*. Connect the USB cable supplied to the PC. Check that the PC can be controlled. From this new keyboard. (please note special keys will not work. CTRL, FN etc..)

Press and hold the 2 outside buttons (‘Volume’ and ‘Presenter Control’) for 2 seconds on the MasterCue V5 Main Unit. This will put the system into Special Cues programming mode and the 2 central buttons will flash alternately with the outside buttons. The unit can now record keystrokes made on the keyboard (up to a maximum of 4 keystrokes).

Press the keys on the keyboard which will perform the special cue you require (e.g. ’B’ to go to black or ‘1-return’ to reset to the beginning of the slideshow), then press either the flashing ‘Safe Mode’ button on the MasterCue V5 Main Unit to program the left (BACK) handset button, or the flashing ‘Speaker Mode’ button on the Main Unit to program the right (NEXT) handset button. The V5 will then return to normal mode and whenever the handset button you programmed is pressed during a presentation, this keystroke sequence will be simulated. To program the second button, the V5 will need to be put into program mode again.

Special Cues can be erased by either re-programming the standard ‘Next’ and ‘Back’ keystrokes to cursor right and cursor left or by resetting the system as previously described.

Special Requirements

Cables. Optimum performance of the MasterCue V5 system can be assured when using cable lengths up to 200M between the handsets and the Main Unit, and between the RF Receiver and the Main Unit. This is dependant on the quality of the cable used of course and high quality microphone cable (screened pair) is recommended for optimum performance.

Cable DC Rating. DC power is nominal 100mA at 12V DC this is to provide power to the external devices and also carries the signal data to and from them.

Wireless Performance. The wireless RF system is designed to operate reliably in an open field environment at up to 300M. This can be reduced when operating in an enclosed AV venue so to ensure optimum performance, please observe the following guidelines:

- Ensure the RF receiver aerial is vertically oriented.
- Position the RF receiver within line-of-sight of the handsets, without large metallic objects in between, as much as possible.
- Avoid electrical/electronic interference by positioning the RF receiver away from equipment as much as possible.

Keyboard Loop-through
To ensure optimum performance we can only recommend using the USB cable supplied.

Comms Loop-through
The blue cable provided has been designed to work with most common 4-pin XLR Intercom systems. We do not recommend extending or substituting this cable. Please let us know if you discover any systems which do not work with this configuration by visiting www.interspaceind.com or on +44 870 770 8088.

Radio Frequency System. The MasterCue V5 uses a proven RF system for all wireless applications.

Operating frequency: 433Mhz band (UK and Europe)
Transmission method: FM
Maximum transmit power: 10mW

This frequency is open and licence exempt for UK and Europe. Other countries should consult their respective authorities.

The system used is a coded transmission where the receivers are programmed to the transmitters that have individual and unique codes.

Nominal range of the transmitters is 300M (1000 feet) open field or typically70M (200 feet) in an enclosed venue

Programming Receiver to Handset Transmitters. These instructions are also printed on the inside of the receiver's enclosure for when reprogramming in the field.

Programming a Receiver

1. On the board there will be a little red LED and next to that a brown circular button. These are the two controls that you will need.
2. Press the brown button once (the LED will light up). Press the first transmitter and the light will switch off.
3. Press the transmitter again and the LED will flash. That is to signify that it has been programmed.
4. By pressing the transmitter again the cueing system will go through its sequence i.e. perform a light or tone cue.
5. Do steps 2-5 for the second transmitter. They are both programmed into that unit.

To erase the receiver and start again, hold the brown button until the LED switches off , then follow steps 2-5 to re-programme the transmitters.

EQUIPMENT SUPPLIED

1 x MasterCue V5 USB Main Unit
1x RF Receiver Unit
2 x Dual button wired handsets
2 x Single button RF transmitters
1 x IEC Power Lead
1 x USB cable
1 x Blue 4-pin XLR comms loop –through cable

HELP LINE

We have a 24 Hour support line for any questions or queries you have regarding our products.

Dedicated Hot Line:

+44 (0) 7976 385046

Interspace Industries Office:

+44 (0) 870 770 8088

Website:

www.interspaceind.com

interspace industries
28 High Street
Arlesey
Bedfordshire
SG15 6RA
UK
Tel: +44 (0)870 770 8088
Fax: +44 (0)870 770 8089
Email: marketing2004@hiveindustries.com
www.interspaceind.com