

# Power Point Remote Control

with USB interface



An easy to use remote control  
for 1 or 2 computers running  
presentation software.

## Overview

A presentation remote control for one or two computers running software such as Microsoft's Power Point or Corel's presentation software.

Very simple forward/back controls at the lectern.

Computers controlled via USB.

Cable based for maximum reliability. No infrared or radio interference and dropout problems. No flat batteries.

The system consists of a Control Unit and a Button Box at the lectern.

The units are connected together using readily available standard 3 pin XLR microphone cables. Maximum cable length is in excess of 500 metres.

It will run down a copper audio multicore/snake.

Digital snakes are not suitable as the system sends power and bi-directional data which is not supported by the audio digital snakes.

## Control Unit

The Control Unit has the ability to control two computers, either one at a time or both in tandem.

This allows a presenter to be controlling one computer while the other is being configured for the next presentation; or both together for before and after slides; or for redundancy.

Works with Macs, IBMs or compatibles.

Selection of which computer to control is done by the "Computer Select" button which steps through the options of "A", "B" or "A+B".

Monitoring of cable and connections to the lectern buttons is via a "Lectern OK" LED.

The Control Unit appears as a keyboard to the PC. Control is achieved by remotely "pressing" the page up and down keys. These keys are compatible with Microsoft's Power Point and Corel's presentation software.

There is no software to install on the PC so as to minimize the chances of interference from Bill Gates.

The USB connections are optically isolated so that there is no electrical connection between the Control Unit and the PCs or between PCs if two are connected.

## Lectern Buttons

Only 2 controls: Forward and Back.

Nothing else to confuse a stressed presenter.

A confidence LED indicates when a button has been pressed.

Holding down a button will only advance one frame. It won't 'auto repeat' through to the end of your presentation.

The button has to be released for about half a second before it will register another press. This delay also reduces any chance of advancing more than one frame if the presenter has the shakes.

## XLR to RJ45 adaptor

The Power Point Remote Control interconnects using analog data on standard XLR microphone cables.

This adaptor allows CAT5 wiring to be used as well.

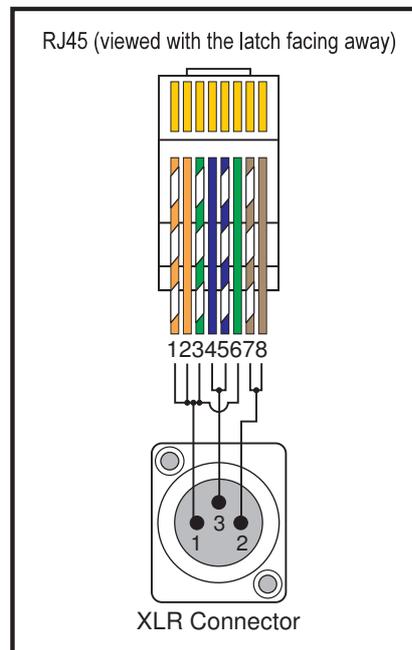
CAT5 and microphone cable may be freely mixed within the system.

Note:

CAT5 cable and connectors are mechanically inferior to professional grade microphone cable and XLR connectors.

Although commonly used, CAT5 is not ideal for use as temporary wiring. Avoid hand crimped RJ45 connectors if possible as the strain relief is only a figment of the designer's imagination.

Use CAT5 cable at your own peril.



Suggested adaptor wiring

At least 2 conductors are paralleled for each XLR pin.

This provides higher reliability in case of breakage of the delicate CAT5 single strand cable.

RJ45 pins 1,2,3 & 6 are all connected to XLR pin 1 to lower the DC resistance of the signal's return path.

## Specifications

### **Control Unit.**

#### **Power.**

110/230/240V 50/60Hz external mains to low voltage adaptor.  
Specify at time of ordering.  
10 watts maximum.

#### **Connectors.**

USB: Two permanently connected USB cables approx 1 metre long.  
Low voltage power inlet: Locking metal connector.  
Lectern Buttons: Female 3 pin XLR  
Total XLR cable length is greater than 500 metres of 24 AWG cable.  
Low loss 20AWG cables will permit lengths approaching 2,000m  
(24 AWG is a very thin cable)

#### **Finish.**

Die cast aluminium enclosure powder-coated in satin black.

#### **Dimensions.**

Width: 120 mm (4.7")  
Height: 190 mm (7.4")  
Depth: 55 mm (2.2")

#### **Weight.**

780g (1.7 pounds) excluding mains adaptor.

### **Lectern Buttons.**

#### **Power.**

From the Master Unit via the interconnecting 3 pin XLR lead.

#### **Connectors.**

One 3 pin male XLR on a permanently attached 1 metre cable.

#### **Finish.**

Die cast aluminium enclosure powder-coated in satin black.

#### **Dimensions.**

Width: 50 mm (2")  
Height: 100 mm (4")  
Depth: 30 mm (1.1")

#### **Weight.**

165g (5.8 ounces)

### **Technical.**

The system uses a current loop between the Control Unit and the Button Box.

An idle current flows continuously and is used in detecting cable breaks and shorts. The current increases when ever a button is pressed. This change in current is detected which results in the appropriate command being sent through to the USB port.

**Warranty**

The Leon Audio Power Point Remote Control is guaranteed for two years from date of original purchase against defects in workmanship and materials. If such malfunction occurs, the item will be repaired or replaced (at our option) without charge for materials or labour if delivered prepaid to THE LEON AUDIO COMPANY. Unit will be returned prepaid. Warranty does not cover finish or malfunction due to abuse or operation at other than specified conditions. Repairs by other than THE LEON AUDIO COMPANY or authorized agents will void this guarantee.



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