



imagine[®]

BUFFALO
ELECTRONICS, INC.

Each Imagine infrared product was designed by our own engineering department and is a fresh new concept in infrared control. We have taken the most popular audio / video control system in use today and updated it to a new level. We believe we have created the easiest to use, most reliable, most elegant infrared control system on the market.

Robust construction, comprehensive noise shielding, system features never offered at this price level, surface mount technology, built-in installer aids, along with a fit and finish without comparison are all part of the Imagine experience.

Unlike most manufacturers who purchase and resell private labeled infrared components Buffalo Electronics manufactures the complete Imagine infrared product line. You will receive fair direct pricing without layers of mark-up along with reasonable delivery times and good technical support.

The Imagine infrared connecting system connects the system power supply (DV9-500), room IR repeaters and the equipment to be controlled. As IR signals arrive from room repeaters they are processed (IR-100) and flashed (IR-E1) to the equipment stack. The systems modular components can be used to create single or multiple listening zones. Installation is fast and easy with most wiring systems.

PRODUCT FEATURES:

IR-100 AMPLIFIED AND REGULATED INFRARED CONNECTING BLOCK

- State of the art circuit design assures high reliability and accurate IR data transmission
- Amplified input allows very long wire runs
- Four voltage regulated flasher output jacks for correct IR flasher signal levels
- Connect up to 15 Imagine infrared repeaters
- Easy to parallel
- Visible confirmation LED flashes when signal is present for installation verification

IR-E1 PREMIUM INFRARED FLASHER WITH CONFIRMATION LED

- Small and elegant, the self adhesive design installs easily over the IR windows of all A/V components and assures reliable communication
- Visible confirmation LED flashes when signal is present system operation verification
- Standard 1/8" (3.5 mm) mini plug is compatible with most IR distribution systems

DV9-500 MATCHING SYSTEM POWER SUPPLY

- Selected by our engineers to exactly match Imagine's regulated IR control system requirements
- Small attractive size, Black



IR-100, IR-E1 & DV9-500

IR CONNECTING SYSTEM
INFRARED REMOTE CONTROL SYSTEM



Imagine

INSTALLATION INSTRUCTIONS

IR-100, IR-E1 & DV9-500

INFRARED CONNECTING DEVICES
INFRARED REMOTE CONTROL SYSTEM

MOUNTING REQUIREMENTS:

The IR-100 infrared connecting block is installed behind the A/V equipment to be controlled and near a 115-Vac outlet.

The IR-100 connects all the control system repeaters.

The IR-E1 flasher connects to the IR-100 and mounts on the IR window of equipment to be controlled.

The DV9-500 matching system power supply plugs into a 115-Vac outlet and connects to the IR-100.

For best results check all lead lengths and mounting positions before permanently mounting any equipment.

PREWIRE RECOMMENDATIONS:

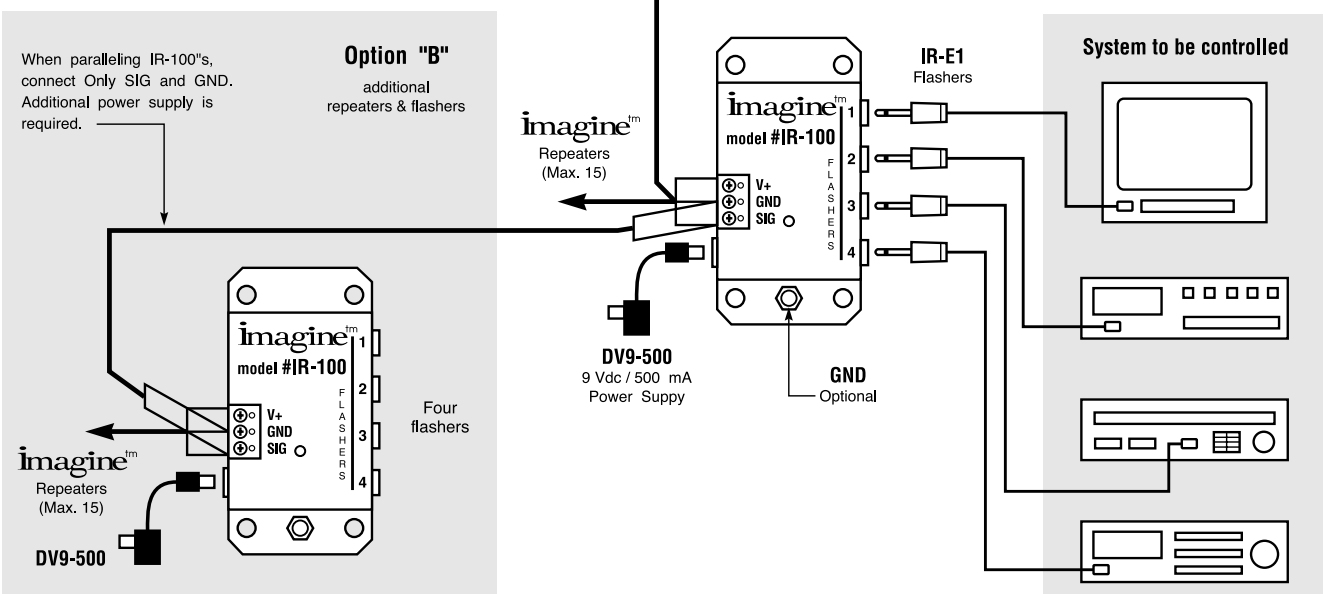
We recommend that you use a 2 twisted pair shielded low capacitance (< 20 pF per foot) cable. The systems power (V+) and signal (SIG) use one twisted pair. System ground (GND) can use both wires of the second twisted pair. The shield can be grounded in difficult installations to improve performance by eliminating external noise interference.

For best results use 22 gauge cable for 1-100' runs; 20 gauge cable for 101-200' runs; and 18 gauge cable for runs greater than 200'.

When running IR cable inside walls most states and municipalities specify that you must use a special type of cable that is fire rated such as CL-2 or CL-3. In order to avoid noise interference and code violations never install low voltage and 115-Vac components in the same electrical box.

CONNECTING MULTIPLE CONNECTING BLOCKS:

For large systems there are two different options for expansion. If only additional flashers are required choose option A. If more than 15 repeaters are required, and possibly more flashers, choose option B.



[http:// www.buffaloelectronics.com](http://www.buffaloelectronics.com)

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