



The RMI-IR3D is an infrared sensor system designed to be used in conjunction with Ivie's programmable iFlex mixers, but will work with any equipment that has logic capable of responding to a contact closure. The IR-3 provides a logical signal to the mixer indicating whether a door is open or closed. A mixer can be programmed to reconfigure the sound system based on which doors are open, combining rooms, changing levels, mix parameters, routing signals, EQ, and other DSP parameters to meet the need of the desired configuration for that state. The Lightsource/Receiver combination is designed for easy installation with the inclusion of a beam alignment indicator on the Receiver unit. When the Receiver is illuminated by the infrared Lightsource, the green beam alignment LED will light, indicating proper alignment. Special circuitry is employed to assure that the Receiver will respond only to infrared light from the Lightsource. RJ-45 connectors are used on the Lightsource and Receiver brackets. The RMI-IR3D is a Smart Control© designed for use with Ivie Technologies iFlex mixers as a digital switch, or with an optional jumper setting as an analog switch.

FEATURES

- Rugged steel construction
- Supports both Digital and Analog modes
- Beam alignment indicator
- Single CAT5e or better cable from RMI-IR3D to the iFlex mixer
- Standard Cat5e cable between Lightsource and receiver.
- Hookup is a standard RJ-45 connector
- Size - 6 x 2 1/2 x 2 1/2 in.
- Weight - 8.5 oz.

Installation Instructions:

Method of Operation: The RMI-IR3D employs an open collector switch to ground, capable of sinking approximately 100 mA.

Physical Installation: Mount the transmitter and receiver on either side of the sliding door track, directly across from each other. the transmitter and receiver need to be aligned on all three axis (x,y,z)

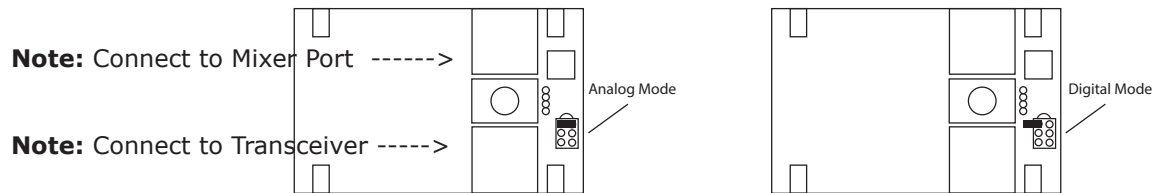
Testing Alignment: When transmitter and receiver are powered, the red LED will be lit. When aligned, the Green LED will be lit. (cont.)

INFRARED DOOR SENSOR

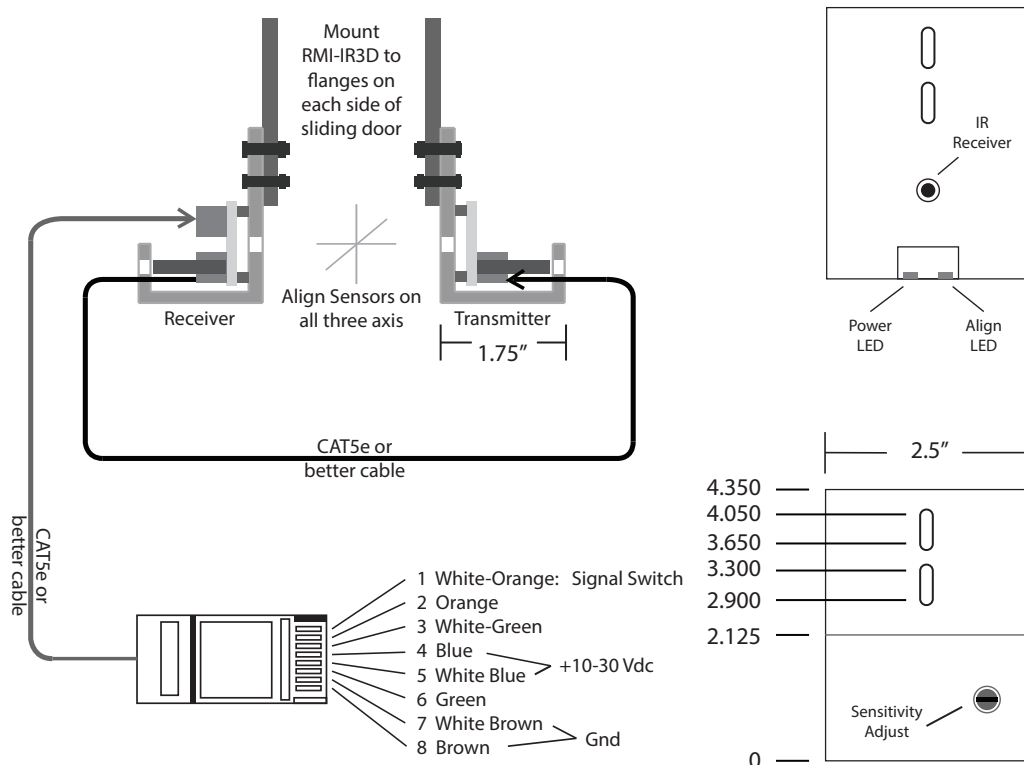
Testing alignment (cont.): For convenience, a 9 volt battery can be temporarily connected to the units to check alignment (see pinout below).

Electrical Installation: Connect a CAT5e or better cable from the mixer or digital port expander to the RJ-45 jack labeled "Control Port" on the receiver (the receiver is the assembly with 2 RJ-45 jacks). Next, connect a shorter CAT5e or better cable between the remaining RJ-45 jack on the receiver, and the only RJ-45 jack on the transmitter. See diagram below.

Jumper Settings: Analog mode for non-iFlex/Map systems, Digital mode for iFlex/Map systems



Note: When first installing or changing the jumper position, be sure to click on 'Discover' in the Hardware Programmer, or 'Rollcall' in the Connect screen to register the presence of the device.



WARRANTY (Limited): Ivie iFlex products are guaranteed for five (5) years from date of original purchase against malfunction due to defects in workmanship and materials. If such malfunction occurs, unit will be repaired or replaced (at our option) without charge for materials or labor, if delivered shipping prepaid, to an authorized Ivie service facility. Warranty does not cover finish or appearance items or malfunction due to abuse, modification, lightning, or operation at other than specified conditions. Repair by other than Ivie or its authorized service agencies will void this guarantee. Products are sold on the basis of specifications applicable at the time of malfunction. Ivie shall have no obligation to modify or update product once sold.