DIR10P Digital Infrared Receiver Specifications:

Specifications

Infrared carrier frequency:	30-60kHz
Indoor reception range:	150 feet + (45 meters +)
Outdoor reception range:	35-50 feet (10-15 meters)
Nominal reception angle:	50 degrees off axis
Transmission wire maximum length:	1000’ (300m)
Emitter wire requirements:	two conductor, minimum 24 gauge to 200’, 22 gauge up to 500’ 20 gauge to 1000’
Power requirements:	Unregulated 12VDC, 40mA
Dimensions:	2-1/2” W x 1-1/8” H x 2-3/4” D (65 x 28 x 66mm).

Requires 12VDC power supply and emitter.

Warranty

Knoll Systems warrants its products sold in the USA and Canada by authorized Knoll dealers to be free of defects in materials and workmanship. This warranty extends for three full years from the date of purchase by the original consumer. Any products returned to Knoll Systems and found to be defective by Knoll Systems within the warranty period will be repaired or replaced at Knoll Systems option, at no charge. Knoll Systems will not be responsible for the actual cost of installation or removal of the product, nor for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights. You may have additional legal rights that vary from state to state.

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DIR10P

Digital Infrared Receiver
Installation Instructions v1.1

Warning: To be installed and/or used in accordance with appropriate electrical codes and regulations.

Introduction: Thank you for your purchase of a Knoll DIR10P digital infrared receiver. This receiver features a long indoor usable range and it can be used in direct sunlight and near plasma and other TV’s. It is designed to act as a remote receiver of remote control signals that when passed through a connection module and emitters, relays remote infrared commands to equipment in a distant room. It is very similar to the DIR10 with an added internal processor, so a connection block is not needed. A single or dual emitter can be connected to the DIR10P

Features:

- Small tabletop size, available in off white and black cabinet colors.
- Digital processor included for direct hook up to emitters without a connection block.
- Will relay almost all remote control types (except some B & O and Pioneer Elite models).
- Extra emitter wire can be added up to 1000’ (300m).
- Requires very little power. Suggest using PS1202 12 vdc.

Installation Tips

1. Follow all local electrical & building code requirements.

2. The DIR10P is usually shelf or tabletop mounted. In order to work it requires a PS1202 or equivilent 12 VDC unregulated power supply and a IR31 (single) or IR34 (dual) emitter. A connection block is not needed.

3. The two conductor emitter wire can be extended up to 1000'. Wires can be solid or stranded, shielded or unshielded with a minimum of 28 gauge for runs under 200', 22 gauge for runs under 500' and 20 gauge for runs up to 1000'.

4. Simply plug in the single or dual emitter into the 3.5 mm jack port. If you are going to extend the emitter wire, carefully observe polarity.

5. Plug in the PS1202 power supply and the DIR10P should be ready to go.

6. The infrared system is usually left plugged in all the time (to an unswitched outlet) as it uses very little power.

7. Test the digital infrared system to see if it is working properly. If it works only from a very close range or it does not work at all, first mark where the pot adjustment is on the DIR10P blue color pot on the rear of the DIR10P. This is so you can reset it to that starting point again. Try adjusting the pot on the connection block very slightly left and right as you are testing the receiver with the remote control. This may require two people. This should correct for the problem. If it still does not work properly, please call Knoll Systems and ask for infrared technical support at 1-800-566-5579. The help line is open from 7:30 a.m. to 5:00 p.m. Monday to Friday Pacific time.