



IR User Manual

1. Introduction

Obonok Infrared Remote Control Adaptor (IR) is designed to work with Obonok Blu-Wire™ **XP series** products.

IR works as a pair of adaptors, IR-TX and IR-RX.

2. Connecting IR adaptors to Blu-Wire™ XP Products

IR adaptors are connected to the AUX ports of XP products through regular TIA/EIA 568B CAT5/CAT6 Ethernet cables.

Please note crossover cables cannot be used.

IR-TX adaptors can only be connected to XP transmitters, such as T1-XP, T3-XP and T1F-XP.

IR-RX adaptors can only be connected to XP receivers, such as RD1-XP, RD2-XP and RD1F-XP.

IR adaptors are hot swappable.

3. Addressing

IR does not support addressing, it only works in broadcast mode.

All XP receivers can receive remote control signals transmitted from an XP transmitter.

An XP transmitter can receive remote control signals transmitted from any XP receiver.



4. IR Operation

Remote control signals can be transmitted in both directions, but only one direction at a time, i.e., IR works in half-duplex mode.

Most remote controllers send out repeated signals when a button is pressed for extended time. Due to bandwidth limitation, IR adaptors will only transmit the first signal and discard the repeated signals.

The power level of the infrared emitter on the IR adaptor is relatively low. It is recommended to keep the adaptor less than three feet away from the target; ***the adaptor should point directly to the target IR.***