

Operational Description

1. This receiver is a longer distance translation between IR remote to IR home appliances.
2. Normal IR remote can reach 12 - 15 meter without any obstacle or wall.
3. So, this receiver work to translate IR signal to another place or different floor using RF signal transmitting.
4. Receiver is detecting the RF signal from a RF remote far away from the receiver. IR signal of remote is uploaded in RF signal.
5. Receiver catch RF signal and decode IR signal from RF signal .
6. That is, receiver have two features.
 - 1) catch RF signal from a RF remote and decord IR signal from RF signal
 - 2) Transmit IR signal through LED to home appliances.
7. reaching distance
 - 1) 75 feet free space : approx 30-40 feet inside concrete building.
 - 2) Indoor usage : Room-to-Room Control