keene electronics IRAnywhere

Overview

It is increasingly common for IP networks to be used for transmission of audio and video data. Consequently many houses now have computer LAN networks. This device is designed to make use of these networks to pass remote control information. Typically it would enable a PC or operator to control a remote Set Top Box or DVD. It does this by receiving the IR control signals they send and relaying that via the LAN to the Set Top Box where it is converted back to IR. They can operate across local networks, and also across the internet assuming firewalls and routers are correctly configured.

The modules are compatible with 36-40K IR signals which covers the majority of domestic AV equipment. A wide band IR receiver can be purchased separately that will extend the range to cover 20KHz to 120KHz if required. The IR Inputs and outputs are fully compatible with the Keene IR Distribution range so other styles of receivers and emitter wands can easily be incorporated.

How you configure the modules will depend largely upon how you wish to use them in operation. You can use them as a transmit/receive pair across a local network or across the internet, or a module can be configured to respond to commands from a computer or other compatible device. They have built-in support for a dynamic DNS client to cater for non-static IP addresses.

Modes of operation

The IR Anywhere modules can be software configured to act as either a receiver, as a target or as a stand alone.

A receiver will receive an IR command, convert it to packet data and send that data to a pre-determined IP address (usually another module).

A target module will decode the received data and retransmit the IR as originally received. Once correctly configured, one target can receive data from multiple receivers.

A stand alone module will operate as a target receiver without attempting to locate a compatible PC or other module on the local network.

Setup and Operation

The software for these modules is updated regularly and for that reason we are not supplying them with full printed instructions and CD software, rather we ask you to download them from the listed web address so you will always have the up-to-date version.

The modules have a built in web page that can be accessed by entering the module name or IP address into a browser of a computer connected to the same network. The factory defaults are:
http://target for a target module (IR emitter) or **http://192.168.1.31**
http://receiver for a receiver module or **http://192.168.1.32**

The built-on web page will allow you to change the mode of operation and IP address. To perform advanced operations such as learning IR code you will need to download and install the advanced configuration software from http://www.keene.co.uk/iranywhere.

The full set of instructions and help file is on-line is available at
http://www.keene.co.uk/iranywhere

Keene Electronics Ltd
Old Hall Mills Business Park Little Eaton Derbyshire DE21 5EJ
Telephone 01332 830550 Fax 01332 830551
http://www.keene.co.uk
http://www.syncblaster.com

Trade enquiries and OEM welcome