

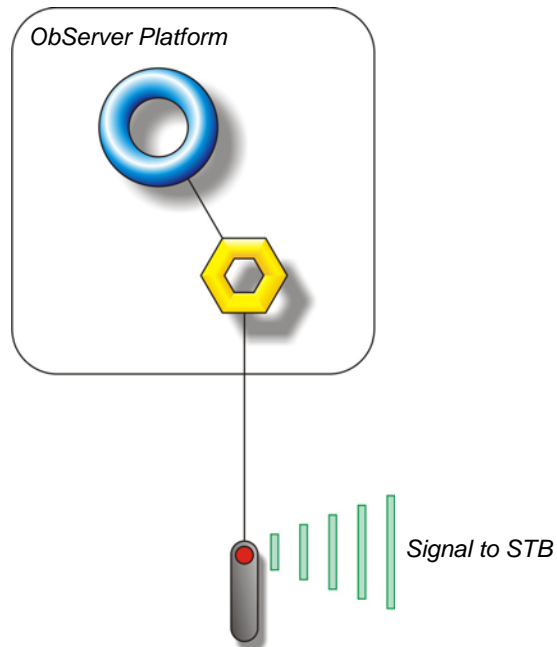
Product Engineering Guide

OSM v20 RedEyeSTB v10

Introduction

The RedEyeSTB OSM links the Red-Eye Serial remote control interface to ObServer. The Red-Eye remote control interface allows the control of a Virgin Media (NTL/Telewest) digital cable or Sky digital satellite receiver set-top box (STB).

The RedEyeSTB OSM allows key commands to be sent, via the Red-Eye remote control interface, to the STB.



Supported Range

The Red-Eye serial supports:

Virgin Media/NTL/Telewest – Pace, Samsung and Scientific Atlanta STB

Virgin Media/Telewest – V+ and TVDrive

Sky

Sky+

For more information refer to the Red-Eye website www.redremote.co.uk/serial.

Engineering

Step 1 – Install OSM

The RedEyeSTB OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

Step 2 – Connect COM Port to Red-Eye

Using cable, connect the Red-Eye serial to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 3 – Plug in RedEyeSTB OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the RedEyeSTB OSM to an available channel. Refer to '[ObServer v20 Application Engineering Guide](#)'.

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

Step 4 – Configure RedEyeSTB OSM

The COM port is configured using objects. Use object engineering software to view and modify the objects within the OSM.

The Red-Eye operation mode, optional delay and IRDA repeat value may also be configured.

Step 5 – Access Objects within the RedEyeSTB System

Values from the Red-Eye system are made available as objects from ObServer. Any object software that is connected to ObServer can access these objects.

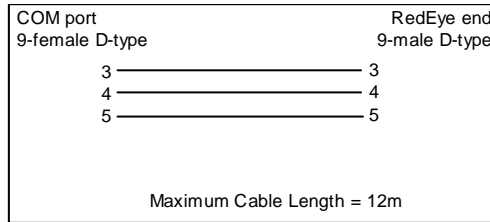
Two objects are available to send keypress data to the STB:

- Send a keypress to the STB (value contained in the object reference)
- Send a series of key presses to the STB (object SD)

Engineering Reference

Cable Specification

The cable between COM port and the Red-Eye Serial device is as follows. Note: the Red-Eye device is powered from the DTR signal (pin 4)



Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object ^[1]	Label	R/W	Type
Sc	RedEye System connected to channel c	-	[RedEyeSTB v10]
Mc	RedEyeSTB Module connected to channel c	-	[OSM v20\RedEyeSTB v10]

Notes

[1] The ObServer channel number, c, is a number in the range 1...40.

Notes

Revision History

Version	Build Date	Details
1.0	02/1/2008	Tested driver with several STB manufacturers. Released