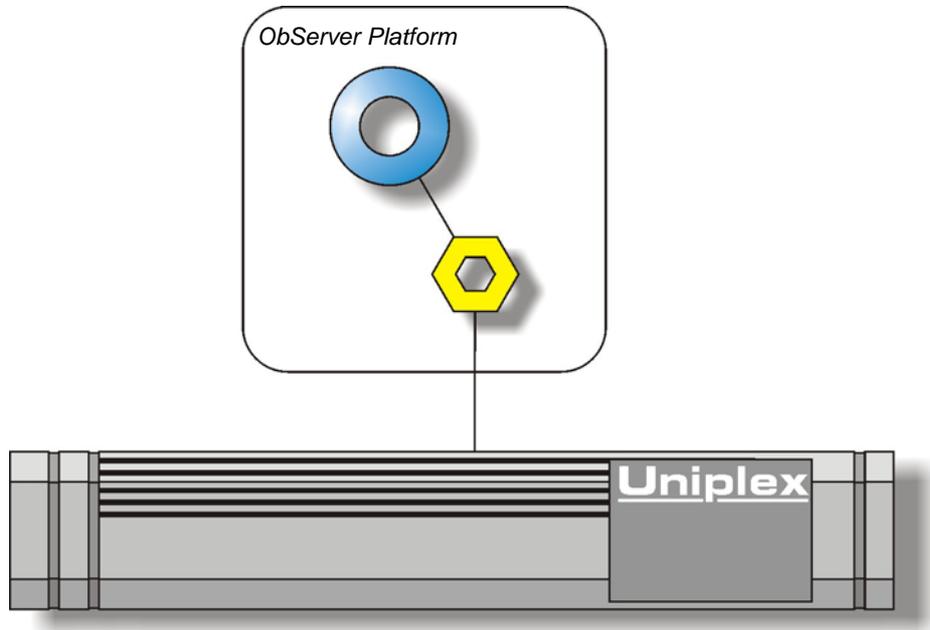


Product Engineering Guide

OSM v20 DMU2 v11

Introduction

The DMU2 OSM links Dedicated Micros Uniplex (Simplex or Duplex) Series 2 Video Multiplexer to ObServer, and allows control of the multiplexer from any system connected to ObServer. Using 'Views', the Uniplex can be integrated with detector status to control the main monitor display.



Engineering

Step 1 – Install OSM

The DMU2 OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

Step 2 – Configure the Dedicated Micros Uniplex Series 2 Video Multiplexer System

When connecting to the Uniplex RS232 port its parameters are set up in the '*Serial port control*' menu. Serial port 1 should be set to 'Remote keyboard adapter' mode, with a baud rate to match the DMU2 Compass Point.

Step 3 – Connect COM Port to the Dedicated Micros Uniplex Series 2 Video Multiplexer System

Using cable, connect the Dedicated Micros Uniplex Series 2 Video Multiplexer System to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in DMU2 OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the DMU2 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 5 – Configure DMU2 OSM

The COM port, address of multiplexer and baudrate are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

Step 6 – Access Objects within the Dedicated Micros Uniplex Series 2 Video Multiplexer System

Values from the Dedicated Micros Uniplex Series 2 Video Multiplexer System are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

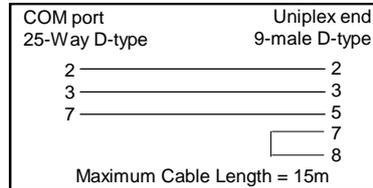
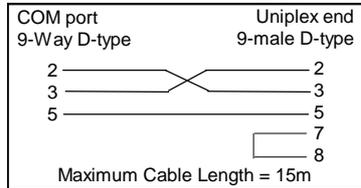
Engineering Reference

Cable Specification

Older versions of the Uniplex multiplexer have a 9-way RS232 port at the rear of the unit to which ObServer via a COM port on the PC can connect. Newer versions of the multiplexer connect to the Dedicated Micros C-Bus network, ObServer via a COM port on the PC can then connect to this network using a C-Bus adapter (model: CC02A).

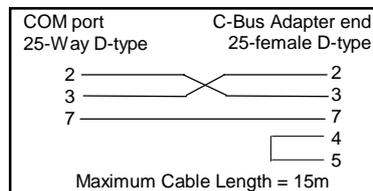
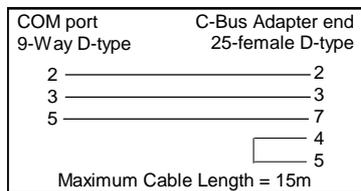
Uniplex Cable

Connect the Compass RS232 connector to the Uniplex 9-way D-type connector labelled 'AUX1'.



C-Bus Adapter Cable

Connect the Compass RS232 connector to the C-Bus PC adapter 25-way D-type connector.



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	DMU2 System connected to channel c	-	[DMU2 v11] ^[2]
Mc	DMU2 Module connected to channel c	-	[OSM v20\ DMU2 v11]

Notes

- [1] The ObServer channel number, c, is a number in the range 1...40.
- [2] This object has a variable content and as such requires scanning.