

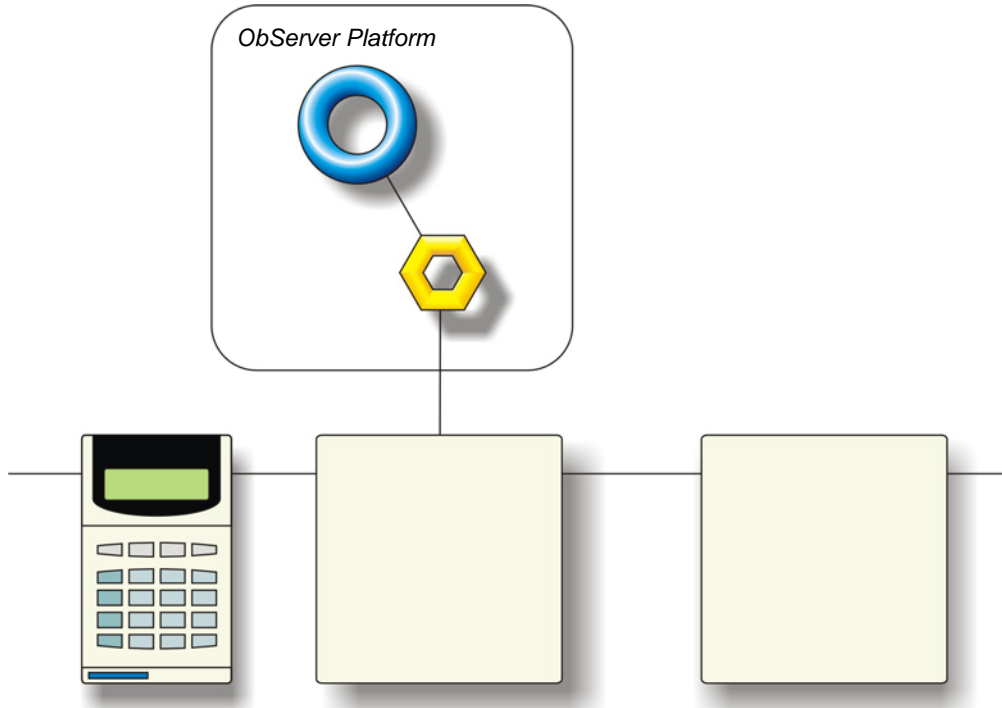
# Product Engineering Guide

## OSM v20 InnerRange v10

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### **Introduction**

The InnerRange OSM links the Inner Range Security and access system to ObServer.



### **Supported Range**

- Inner Range - Concept range of security and access modules.

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## **Engineering**

### **Step 1 – Install OSM**

The InnerRange 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 Inner Range System**

Configure one of the serial ports on the UART as 'PC Direct'. Select a baud rate that will be matched in the OSM configuration.

### **Step 3 – Connect COM to Inner Range System**

Using cable, connect the Com port UART on the Inner Range System to the RS232 port of the PC. Refer to the section 'Cable' below for details of the cable.

### **Step 4 – Plug in InnerRange OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the InnerRange 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 InnerRange Module**

The Baud rate and Alarm Object require engineering in the Module. Use object engineering software to view and modify the module objects within the OSM.

Note: After engineering the Module, your engineering software may need to re-scan the InnerRange System in order to view the InnerRange System.

### **Step 6 – Access Objects within the InnerRange System**

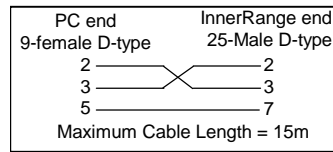
Values from the InnerRange system are made available as objects connected to ObServer. Any object software that is connected to ObServer can access these objects.

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## Engineering Reference

### Cable Specification

The cable between COM port and the Inner Range UART Com Port is as follows:



### Objects

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

Object <sup>[1]</sup>	Label	R/W	Type
Sc	InnerRange System connected to channel c	-	<a href="#">[InnerRange v10]</a> <sup>[2]</sup>
Mc	InnerRange Module connected to channel c	-	<a href="#">[OSM v20\InnerRange v10]</a>

### 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.