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# Profibus Network Driver

## Application Note

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This document describes how to configure a Paradigm Operator Interface terminal with the Profibus Network Driver to allow communications with the Paradigm Profibus Host Adapter. The Paradigm Profibus Host Adapter provides a means of connecting a Paradigm Operator Interface to a Profibus-DP Network. Please read this document carefully before attempting to configure communications with these devices.

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## Introduction

The Paradigm Profibus Host Adapter is a gateway that allows a Paradigm Operator Interface access to a Profibus-DP Network. The Host Adapter is connected to the Operator Interface programming port allowing data transfer with Internal Communications Blocks. The Paradigm Profibus Host Adapter is auto-configuring for all Profibus properties such as baud rate, but needs a Station Address configured by the Operator Interface. These are set up using the Profibus Network Driver described here.

## Configuration

The Station Address and Input and Output Data Container Blocks are set in the Configuration Edit dialog from the Select Communications Driver dialog.

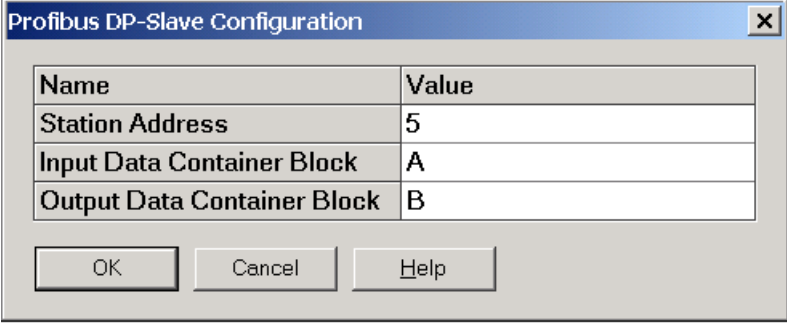
The Station Address has a default value of 126 and must be in the range 1 to 125 for normal operation.

The Input and Output Data Container Blocks are the data buffers that the Profibus Network writes data to, and reads data from. These correspond to Internal Communications Blocks and as such these must be set up in the Communications Block Table. A maximum of 116 words may be transferred per block. Data flow is described with respect to the Profibus Network - thus Input Data is written to the Profibus Network and Output Data is read from the Profibus Network.

## Example

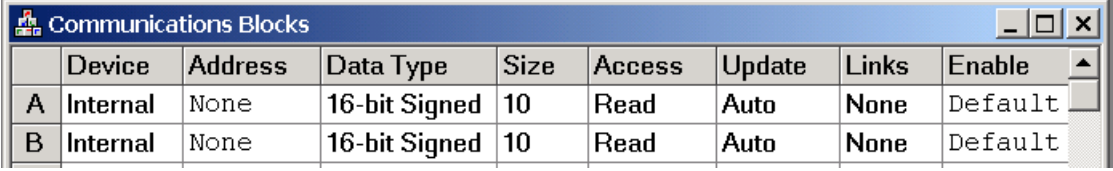
This example shows the Profibus Node configured as Station Address 5, Communications Block A as Input Data and Communications Block B as Output Data.

### Driver Configuration



Name	Value
Station Address	5
Input Data Container Block	A
Output Data Container Block	B

### Communication Block configuration



	Device	Address	Data Type	Size	Access	Update	Links	Enable
A	Internal	None	16-bit Signed	10	Read	Auto	None	Default
B	Internal	None	16-bit Signed	10	Read	Auto	None	Default