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AMS User Manual

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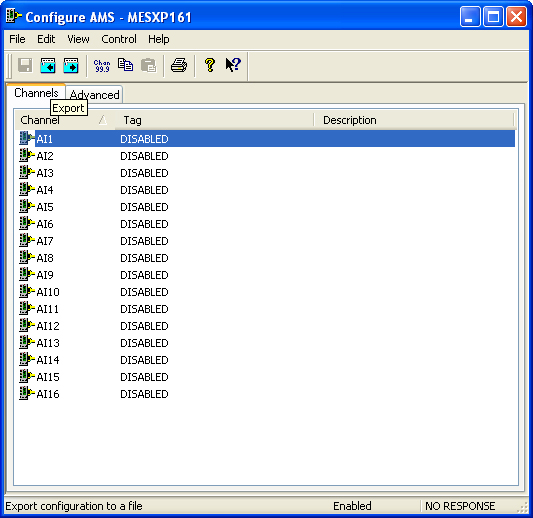
# Configuration

The first time the system is configured it is necessary to enable and configure all devices you require. To configure a particular device select the ***Devices*** option from the main menu followed by the Ams device. This will launch an application to configure the device.

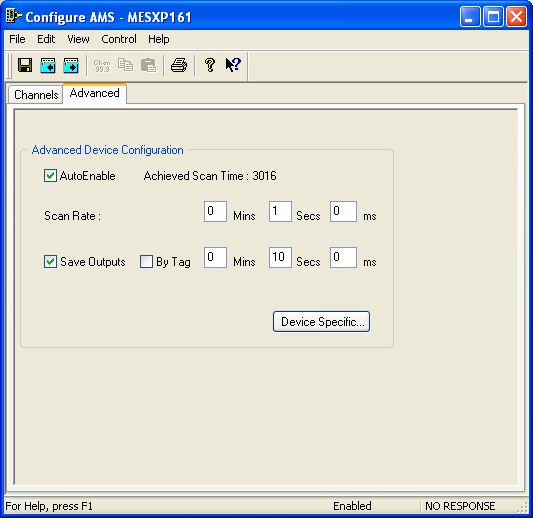
SelectDevice

From the list provided select a channel and double-click. Alternatively you can select a channel and then click on the Configure Channel button. 

This will launch a channel configuration dialog which enables you to configure individual channels.



# Advanced Device Configuration



## AutoEnable Device

To ensure that the device is enabled on the system check the Enable Device box.

## Scan Rate

To set the rate at which the device will scan, edit the text boxes associated with the Scan Rate field.

## Save Outputs

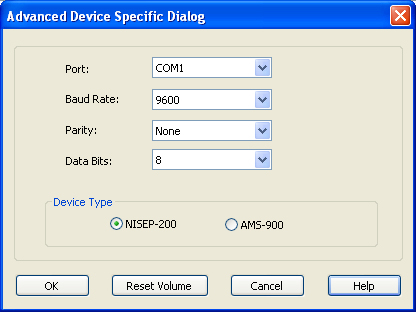
To enable this utility check the Save Outputs flag. All values in output channels are saved to disk when the system is disabled. The next time the system is restarted the values which were previously in output channels will be restored to the appropriate channel number.

### By Tag

Channel values can be saved and restored to channels using the channel tag instead of the channel number. In this way, channels can be rearranged within the modules and as long as the channel tags remain the same, the correct channel values will be restored to the appropriate channel number.

## Device Specific Button

When the Device Specific Button is pressed the following dialog appears to allow specific communication settings to be configured for the device.



#### Port

Displays communications ports available on your computer

#### Baud Rate

Lists the baud rates that are supported by the hardware on your PC. Choose the highest speed that is supported by the hardware. If you encounter problems, you may have to adjust this to a slower speed at a later time.

#### Parity

Displays the various choices that can be implemented for parity checking.

#### Data Bits

Displays the various sizes of data bits to send.

#### Device Type

##### NISEP-200

The serial link between the PC and a NISEP-200 is a standard 3 wire link. The link is 9600 baud, 8 data bits, no parity, 1 start bit, 1 stop bit, with no hardware or software handshaking. Communication is all ASCII.

##### AMS-900

The serial link between the PC and a AMS-900 is a non-standard. The link is 1200 or 9600 baud, 8 data bits, no parity, 1 start bit, 1 stop bit, and should be configured with no hardware or software handshaking. Communication is all ASCII.

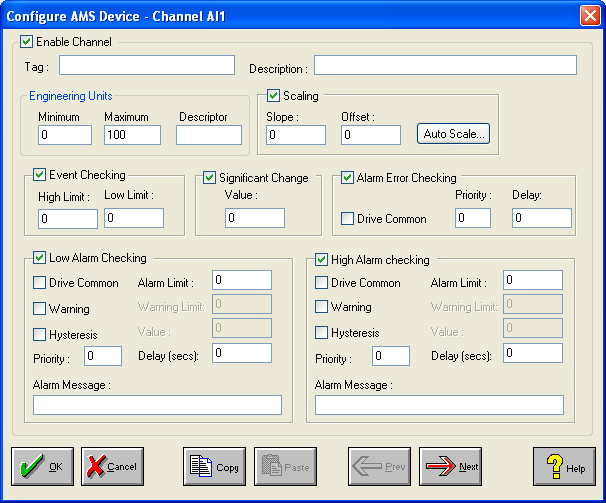
#### Reset Volume

When the scanner is enabled the Reset Volume button can be used to reset the relative volume to zero.

# Analog Input Channel Configuration

Autoscanning is used to scan analog inputs.

When the user selects an analog input to be configured the following is displayed.



## Enable Channel

The Enable Channel check box must be checked to enable and allow a channel to be configured and ultimately included with all other configured channels in the overall system.

## Tag

The Tag field is a 12 character alphanumeric field that can contain channel information or wiring schedule references.

## Description

The Description field is a 32 character alphanumeric field in which a description of the channel can be detailed.

## Engineering Units

Specifies engineering details for this channel.

Minimum

Minimum engineering value for all Analog channels in addition to the unit field. The default is 0.

Maximum

Maximum engineering value for all Analog channels in addition to the unit field. The default is 100.

Descriptor

Describe the units of the measurement.