RS485 Options Tab in the DeviceMaster 2 Port Models Device Driver

RS-485 Tab

The RS-485 tab allows you to configure RTS (Request to Send) options for RS-485 mode in the following situations:

• If your communications application does not toggle RTS when transmitting in RS-485 mode.

• If you are using an external RS-232 to RS-485 converter attached to a port configured in RS-232 mode.

• RS-485 Mode provides these choices:

- Half-duplex (default) supports transmit and receive data. The 485txe signal is active to enable the driver portion of the
connected RS-485 transceiver which generates the RS-422 transmit data signals.

- Full-duplex (Master), supports transmit and receive data. The driver po rtion of the connected RS-485 transceiver is enabled
by the 485txe signal. This mode is the same as RS-422.

- Full-duplex (Slave) , supports transmit and receive data. The driver po rtion of the connected RS-485 transceiver is enabled
by the 485txe signal when the RTS signal is active.

Note: Modem control lines are not supported when using RS-485 mode.

• Override and lock to RTS toggle mode allows you to lock the port in RTS (Request to Send) toggle mode, then set the
mode (low or high) as desired for RS-485 mode.

• RTS Toggle RTS Low allows you to toggle the RTS output signal low during data transmission, which may be needed for
relay devices for RS-485.