# dbx: ZonePRO 1260-1261-1260m-1261m

This module controls a dbx ZonePRO 1260, 1261, 1260m or 1261m over IP

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| GENERAL INFORMATION | |
| --- | --- |
| **SIMPLWINDOWS NAME:** | dbxZonePRO1260_61_60m_61m_IP_NODE |
| **CATEGORY:** | Device Interface |
| **VERSION:** | V3.0 |
| **SUMMARY:** | This module controls a dbx ZonePRO 126O, 1261, 1260m, or 1261m over IP |
| **GENERAL NOTES:** | **IP CONTROL ONLY. USE "dbxZonePRO1260_61_60m_61m_Node.umc" MODULE FOR SERIAL COMMUNICATION**<br>Port: 38O4 TCP<br><br>This module is meant for a single dbx ZonePRO 126O/1261 or 1260m/1261m.<br><br>This module MUST be used to communicate with any ZonePRO unit.<br>This module will handle all connection "keep-alive" communication, as well as distributing all incoming serial traffic to the proper module(s).<br><br>This module is designed to be used in conjunction with the **"dbxZonePRO1260_61_60m_61m_Router.umc"** module and **"dbxZonePRO1260_61_60m_61m_Mixer.umc"** module.<br><br>Because the user can choose whether to have a mixer or router for each of the 6 output zones, the Crestron programmer must use the proper module to match the ZonePRO's configuration. Connect the 'tx_ModuleX' and 'rx_ModuleX' signals from the Node module to the corresponding Mixer or Router module in each zone. See example program.<br><br>This module controls a dbx ZonePRO 126O/1261 or 1260m/1261m. The ZonePRO 126O/1261 or 1260m/1261m has 6 outputs and 12 inputs. The Node module controls all 12 input volumes, handles the incoming/outgoing serial traffic, and handles the serial traffic for the 6 mixer/router modules. For each output you can use either a Router module or a Mixer module.<br>The Router module controls the zones input source, adjusts the output zones master volume, and toggle the mute status. The Mixer module can control all 12 mixer input volumes, the mixer master output volume, and master mixer mute.<br><br>This module handles live - feedback. So whenever something is changed manually on the ZonePRO, the module will receive an update and adjusts its outputs. In order to enable live-feedback, you have to pulse the Enable_Feedback input every time the ZonePRO is rebooted.<br><br>NOTE: When statuses are changed using the module, the feedback of the module is simulated. When statuses are changed using the ZonePRO, the feedback is real.<br><br>Usually the address parameters will be:<br>    ObID_Module1:<br>        \x01\x05\x00\x1E for the 1260/1261<br>        \x01\x05\x00\x22 for the 1260m/1261m<br>    ObID_Module2:<br>        \x01\x05\x01\x1F for the 1260/1261<br>        \x01\x05\x01\x23 for the 1260m/1261m<br>    ObID_Module3:<br>        \x01\x05\x02\x20 for the 1260/1261<br>        \x01\x05\x03\x24 for the 1260m/1261m<br>    ObID_Module4:<br>        \x01\x05\x03\x21 for the 1260/1261<br>        \x01\x05\x03\x25 for the 1260m/1261m |

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ObID_Module5:
>> \x01\x05\x04\x22 for the 1260/1261
>> \x01\x05\x04\x26 for the 1260m/1261m
ObID_Module6:
>> \x01\x05\x05\x23 for the 1260/1261
>> \x01\x05\x05\x27 for the 1260m/1261m

**The rest are the same for the ZonePRO 1260/1261 and 1260m/1261m**

ObID_inputVol1:
>> \x01\x01\x00\x00
ObID_inputVol2:
>> \x01\x01\x01\x01
ObID_inputVol3:
>> \x01\x01\x02\x02
ObID_inputVol4:
>> \x01\x01\x03\x03
ObID_inputVol5:
>> \x01\x01\x04\x04
ObID_inputVol6:
>> \x01\x01\x05\x05
ObID_inputVol7:
>> \x01\x01\x06\x06
ObID_inputVol8:
>> \x01\x01\x07\x07
ObID_inputVol9:
>> \x01\x01\x08\x08
ObID_inputVol10:
>> \x01\x01\x09\x09
ObID_inputVol11:
>> \x01\x01\x0A\x0A

However, since these addresses will differ depending on the unit's configuration, please ask the dbx installer for the correct information. See http://www.dbxpro.com/Download/index.htm for help    documents showing how to get these objectID's, and for detailed protocol specifications

"If the default configuration is not loaded into the ZonePRO, then the user must manually enter the Object ID addresses for each device. To get the object ID address, start the PC software for ZonePRO. The easiest way to get the Object ID in **decimal** format is to click on the device in the ZonePRO program screen and press<Ctrl>+<Shift>+<o> and a dialog box will appear with the correct address. Note that bit 0 is presented at the top and bit 3 at the bottom of the dialog box. Enter this Object ID address in the Crestron module parameter field in **HEX** as b3,b2,b1,b0.
Another easy way to get the Object ID address in hex is to click on the device symbol in the ZonePRO Designer window and press Ctrl + Shift + T to open the Network Trace Window. Click on the ZonePRO object you want the address for in the software. Change the value of the mute button, volume control, or any other control you are interested in and look for the first row of "MULTSVSET" in the Network Trace Window. Click on this line and look in the window "Frame Data". The object ID will always be the 8th, 9th, 10th, and 11th byte. Enter this 4 byte value into the address parameter on the front of the Crestron module. Repeat this for every address parameter on the front of the module." – DBX

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|---|---|
| **CRESTRON HARDWARE REQUIRED:** | 2-series or X-series processor with Ethernet card |
| **SETUP OF CRESTRON HARDWARE:** | Pro2 with C2-ENET2 and TPS-6000 |
| | Port: 3804 TCP |
| **VENDOR FIRMWARE:** | V2a-1.110 |
| **VENDOR SETUP:** | ZonePRO 1260/1260m |
| **CABLE DIAGRAM:** | (Ethernet connection) |

**CONTROL:**

| | | |
|---|---|---|
| **Enable_Feedback** | D | Pulse to enable live feedback. Pulse once every time the processor or the ZonePRO restarts |
| **Disco** | D | Pulse to send a disco message. The ZonePRO will then report back with it's Node Address. Before this, all commands will be send to default node address \x00\x20 (32 decimal) |
| **IP_Status** | A | Connected directly to the TCP-IP Client Object's status output. |
| **Input_VolumeChX** | A | Sets  the volume for input channel X<br>0d (0%) = -inf (less then -60 dB)<br>65535d (l00%) = 20.0 dB |
| **tx_moduleX** | S | Connect to zone X module's 'module_tx'.  In other words, this can come from either a 'dbxZonePRO1260_61_60m_61m_IP_Router.umc' module or a 'dbxZonePRO1260_61_60m_61m_IP_Mixer.umc' module depending on the configuration loaded inside the ZonePRO. |
| **rx_IP** | S | To be connected to rx of the TCP-IP Client Object |
| **FEEDBACK:** | | |
| **Input_VolChX_fb** | A | Current volume for input channel X |
| **rx_moduleX** | S | Connect to zone X module's 'module_rx'.  In other words, this can come from either a 'dbxZonePRO1260_61_60m_61m_IP_Router.umc' module or a 'dbxZonePRO1260_61_60m_61m_IP_Mixer.umc' module depending on the configuration loaded inside the ZonePRO. |
| **tx_IP** | S | To be connected to tx of the TCP-IP Client Object |
| **PARAMETERS:** | | |
| **ObID_X** | S | The address to which commands have to be send to reach the appropriate control.<br><br>Usually those will be:<br>                           1260/1261      \| 1260m/1261m<br>obID_Module1:     \x01\x05\x00\x1E \| \x01\x05\x00\x22<br>obID_Module2:     \x01\x05\x01\x1F \| \x01\x05\x01\x23<br>obID_Module3:     \x01\x05\x02\x20 \| \x01\x05\x02\x24<br>obID_Module4:     \x01\x05\x03\x21 \| \x01\x05\x03\x25<br>obID_Module5:     \x01\x05\x04\x22 \| \x01\x05\x04\x26<br>obID_Module6:     \x01\x05\x05\x23 \| \x01\x05\x05\x27<br>obID_inputVol1:           \x01\x01\x00\x00<br>obID_inputVol2:            \x01\x01\x01\x01<br>obID_inputVol3:            \x01\x01\x02\x02<br>obID_inputVol4:            \x01\x01\x03\x03<br>obID_inputVol5:            \x01\x01\x04\x04<br>obID_inputVol6:            \x01\x01\x05\x05<br>obID_inputVol7:            \x01\x01\x06\x06<br>obID_inputVol8:            \x01\x01\x07\x07<br>obID_inputVol9:            \x01\x01\x08\x08 |

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obID   inputVol10:          \xO1\xO1\x09\x09
obID_inputVol11:          \xO1\xO1\x0A\xOA


However, since these addresses will differ depending on the unit's configuration, please ask the dbx installer for the correct information. See http://www.dbxpro.com/Download/index.htm for help documents showing how to get these objectID's, and for detailed protocol specifications

| TESTING: | |
| --- | --- |
| **OPS USED FOR TESTING:** | V4.001.1012 |
| **COMPILER USED FOR TESTING:** | V2.12 |
| **SAMPLE PROGRAM:** | dbxZonePRO1260_61_IP_DemoProgram.smw for 1260 or 1261 and dbxZonePRO1260m_61m_IP_DemoProgram.smw for 1260m and 1261m |
| **REVISION HISTORY:** | V. 1.0 – Creation<br>V. 2.0 – Dbx manufacturer Update<br>V. 3.0 – Dbx manufacturer Added support for the 1260m and 1261m |

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