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# Compass Control® Modular System Guide: dbx ZonePRO Module

Set-Up Guide



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[www.keydigital.com/compass](http://www.keydigital.com/compass)

Key digital®

## dbx ZonePRO Digital Zone Processor

The dbx ZonePRO Processor provides multi-room audio for any kind of environment. All functionality features may be integrated into your Key Digital Compass Control System.

### Integrating ZonePRO into a Compass Control Modular Project

In order to use your iOS Device to control the dbx ZonePRO, you will need the Compass Navigator™ software.

- Simply create a new modular based project by clicking File, New, and then Modular based Project. Select a location and file name and click OK.
- Include the iOS Device Controller by clicking on the dropdown options in the Controllers (iOS) section and choosing any iOS device. Add the remote to the system by clicking “Add iOS Device” to the right of the dropdown menu.
- Add the dbx ZonePRO module from the Local Modules library or on the Module Website at [keydigital.com/drivers/indexd.html](http://keydigital.com/drivers/indexd.html)



Please Note These Two Messages:

Any module name ending in “\_m\_RS” or “\_m\_IP” is for Mixer Control.  
Router Controls do not include “m” In the name.

For IP Control, please use a network switch/router that can force set a specific network port to do **10Mbps Half Duplex** for the dbx ZonePro.

\*See the manual for How to setup KD-ZRC300 for more assistance.

## Setting-Up in Compass Navigator

In Navigator, after adding the ZonePro Module, please save the project and open the dbx ZonePro module by navigating to the project's resources folder (“\_res” folder). Or by right clicking the device name in System Designer and clicking “Edit Module”.

After opening the module, click on the Variables Tab and locate these module variables:

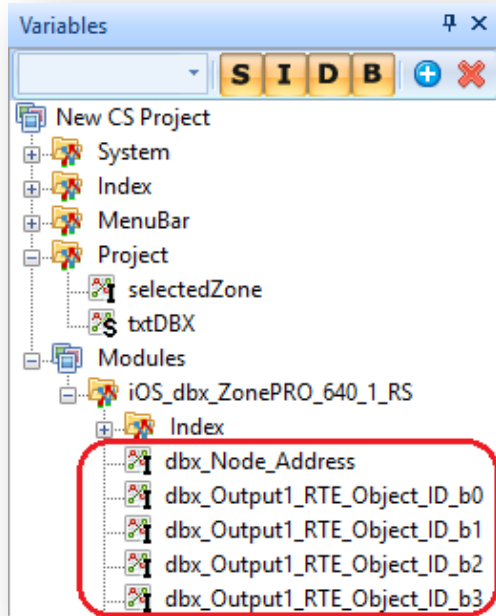
**dbx\_Node\_Address**

**dbx\_Output1\_RTE\_Object\_ID\_b0**

**dbx\_Output1\_RTE\_Object\_ID\_b1**

**dbx\_Output1\_RTE\_Object\_ID\_b2**

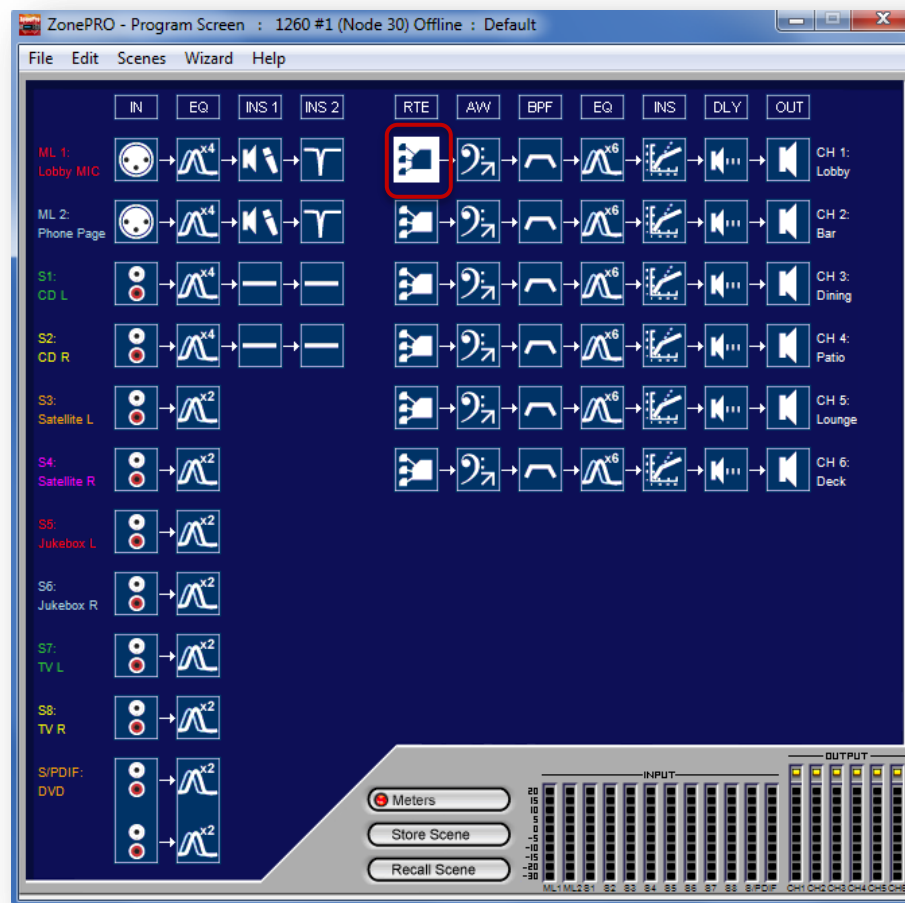
**dbx\_Output1\_RTE\_Object\_ID\_b3**



In order to control the dbx ZonePRO, please follow these next steps to fill in the Object IDs and Node Address.

## Getting IDs from dbx ZonePRO Software

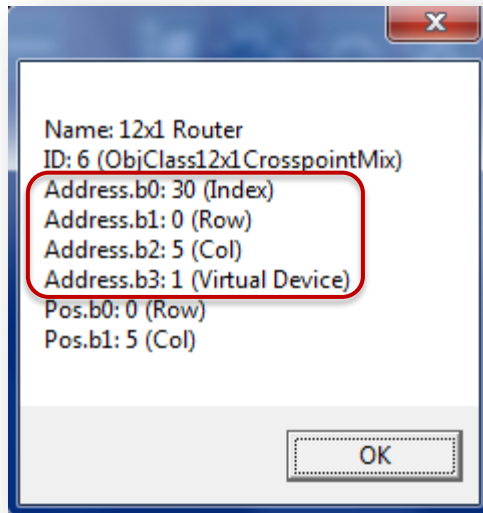
Using the dbx ZonePRO Designer V3.2, navigate to the desired device and open up the device settings.



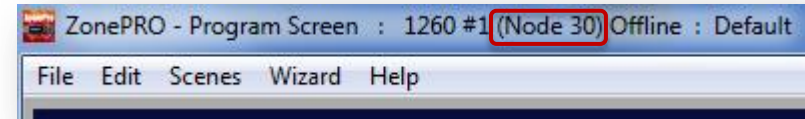
Select the CH 1: RTE Block (highlighted in white) then press

**CRTL + SHIFT + o**

The following window should appear. Please copy down these Address IDs for later use.



Next, get the Node Address from the top bar in ZonePRO Designer



Please copy down:

Node                      Node Address

Example from the window above:

Node                      Node Address = 30

Please copy down:

Index                      Address.b0

Row                      Address.b1

Col                      Address.b2

Virtual Device                      Address.b3

Example from the window above:

Index                      Address.b0 = 30

Row                      Address.b1 = 0

Col                      Address.b2 = 5

Virtual Device                      Address.b3 = 1

Lastly, insert these values into Compass Navigator:

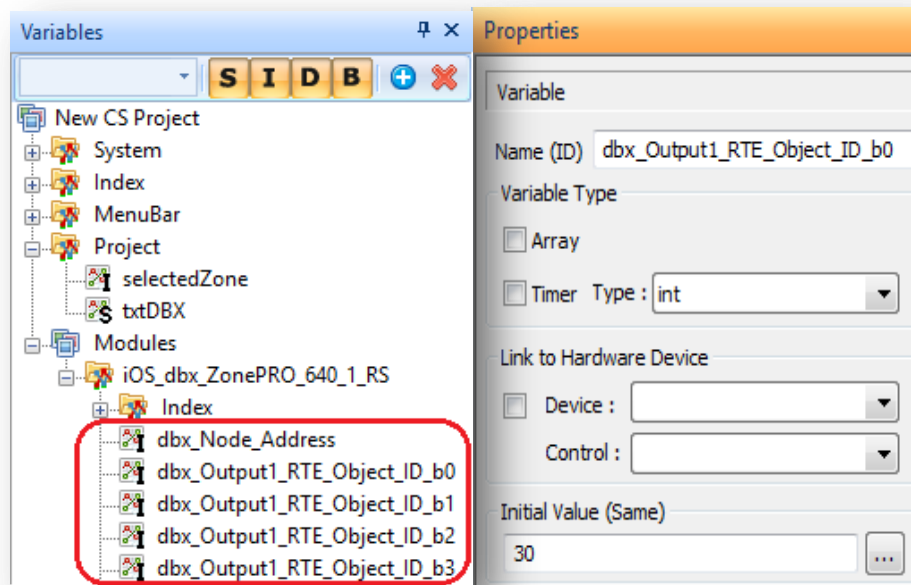
Node Address belongs to dbx\_Node\_Address

Address.b0 belongs to dbx\_Output1\_RTE\_Object\_ID\_b0

Address.b1 belongs to dbx\_Output1\_RTE\_Object\_ID\_b1

Address.b2 belongs to dbx\_Output1\_RTE\_Object\_ID\_b2

Address.b3 belongs to dbx\_Output1\_RTE\_Object\_ID\_b3



Click on each variable and the properties window will change accordingly. Change the "Initial Value" for each variable to its corresponding value that was previously written down.

The module will auto calculate the rest of the Output IDs for the ZonePRO and all other output IDs are not needed.

The next section shows how to customize the names of the Inputs and Outputs. Stay in Module Editor for the next section or save the module and return to the main project. The dbx ZonePro is now ready for control.

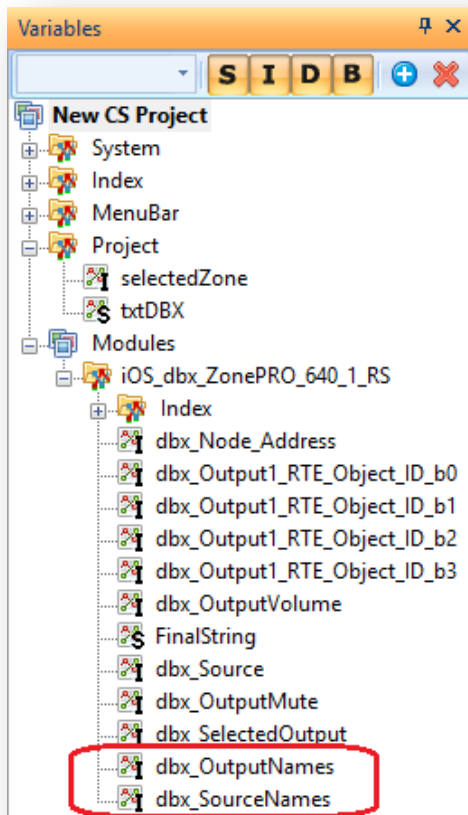
## Custom Output Names and Sources

In Navigator, after adding the ZonePro Module, please save the project and open the dbx ZonePro module by navigating to the project's resources folder ("\_res" folder). Or by right clicking the device name in System Designer and clicking "Edit Module".

After opening the module (Or if the module is already open), click on the Variables Tab and locate these module variables:

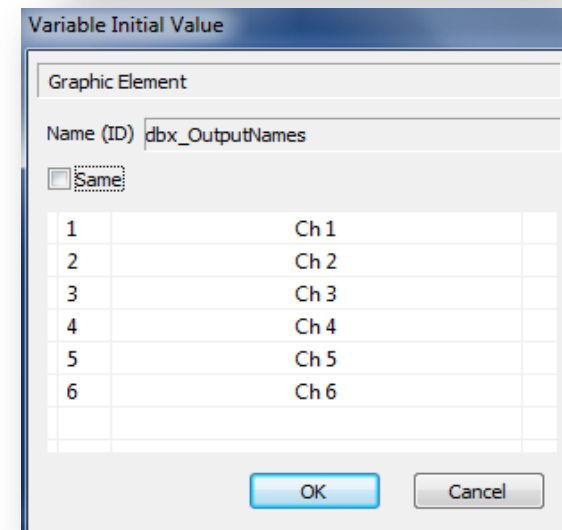
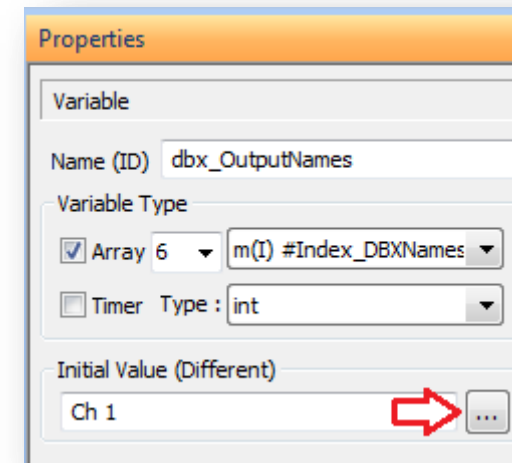
**dbx\_OutputNames**

**dbx\_SourceNames**



In order to have custom names for outputs and sources, please follow these next steps to fill in the Output Names and Source Names.

Under Properties for the variable, click the ellipsis (...) to bring up the variable editor. Then, in the same order of the ZonePro outputs, change the name for each output to the desired name. Repeat the process for the Source Names variable.



No further changes are needed. Please save the module and return to the main project. The dbx ZonePro is now ready for control.