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# iRoom iBezel

## Driver Setup – Custom Projects Only (Recommended, Part 1 of 2)

### About:

iRoom provides an in-wall solution for Compass Control. Easily access the Compass Control App from the iBezel with touch button controls that can be simply programmed into Compass.

### Setup Communication:

iBezel is controlled wirelessly over IP on Port 13601. Please note that the KD-MC1000 is the only Master Controller that supports the iBezel's Touch Button Controls.

### Setup in Compass Navigator - Buttons:

After including the iBezel IP library, continue to the System Designer Tab and Drag and Drop the device library, "KD-iRoom-Keypad-iBezel-v1507\_IP", into the "TCPIP-50" port on the MC1000.

Once added, click on the iBezel device in System Designer and under Properties locate the ZRC Bi-Directional Driver Field. Add the provided "kd-iRoom.drv" driver by clicking on the middle button (The Magnifying Glass) to add and compile the driver.

Once that is completed, go to the Variables Tab and click on the newly created variable "iBezel\_Button". Under "Events and Actions", add a new event to say "changeMasterValue". This is where you will create if-statements for each desired button press/release. Please refer to the table on the right for the number descriptions.

Ex: Button 1 was pressed – For example, Light Control  
if iBezel\_Button == 11 then ramp lights up

Ex: Button 1 was released – For example, Light Control  
if iBezel\_Button == 12 then stop light ramp

Ex: Button 3 was pressed – For example, Watch TV Scene  
if iBezel\_Button == 31 then turn on TV and Cablebox, then turn lights off

Ex: Button 4 was pressed – For example, Goodnight Scene  
if iBezel\_Button == 41 then close the blinds and turn the lights off

### Control:

Compass Control "iBezel\_Button" Variable Description

Values:

- 1 = Home Button Pressed
- 2 = Home Button Released
  
- 11 = Button 1 Pressed
- 12 = Button 1 Released
  
- 21 = Button 2 Pressed
- 22 = Button 2 Released
  
- 31 = Button 3 Pressed
- 32 = Button 3 Released
  
- 41 = Button 4 Pressed
- 42 = Button 4 Released
  
- 51 = Button 5 Pressed
- 52 = Button 5 Released
  
- 61 = Button 6 Pressed
- 62 = Button 6 Released
  
- 71 = Button 7 Pressed
- 72 = Button 7 Released
  
- 81 = Button 8 Pressed
- 82 = Button 8 Released

Compass Control Offers

- Remote Dock Open/Close
- Relay Open/Close



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# iRoom iBezel

## Driver Setup – Custom Projects Only (Recommended, Part 2 of 2)

### Setup in Compass Navigator – Digital Inputs:

Compass also supports the Digital Inputs on the iBezel. Please go to the Variables Tab and click on the variable “iBezel\_DigitalIn”. Under “Events and Actions”, add a new event to say “changeMasterValue”. This is where you will create if-statements for each desired Digital Input. Please refer to the table on the right for the number descriptions.

Ex: Digital 1 is Opened – For example, Doorbell Input is Ringing  
if iBezel\_DigitalIn == 12 then mute the audio in the home

Ex: Digital 1 is Closed – For example, Doorbell Input Stopped Ringing  
if iBezel\_DigitalIn == 11 then resume the music in the home

Ex: Digital 3 is Opened – For example, Back Door sensor says door is open  
if iBezel\_DigitalIn == 32 then turn on the backyard lights

### Setup in Compass Navigator – Proximity Sensor:

Compass also supports the Proximity Sensor on the iBezel. Please go to the Variables Tab and click on the variable “iBezel\_Sensor”. Under “Events and Actions”, add a new event to say “changeMasterValue”. This is where you will create two if-statements for each sensor state. Please refer to the table on the right for the number descriptions.

Ex: Proximity Sensor is Active – user walks in front of iBezel  
if iBezel\_Sensor == 1 then turn on small overhead LED Light

Ex: Proximity Sensor is Inactive – user walks away from iBezel  
if iBezel\_Sensor == 0 then turn off small overhead LED Light

### Setup Complete:

Click on the Master Controller in System Designer and under Properties, click on “Update” to send the image to the Master Controller. The Master Controller will now execute commands corresponding to the programmed button in Compass.

### Control:

Compass Control “iBezel\_DigitalIn” Variable Description

Values:

- 1 = Digital 0 is Closed
- 2 = Digital 0 is Opened
  
- 11 = Digital 1 is Closed
- 12 = Digital 1 is Opened
  
- 21 = Digital 2 is Closed
- 22 = Digital 2 is Opened
  
- 31 = Digital 3 is Closed
- 32 = Digital 3 is Opened
  
- 41 = Digital 4 is Closed
- 42 = Digital 4 is Opened
  
- 51 = Digital 5 is Closed
- 52 = Digital 5 is Opened
  
- 61 = Digital 6 is Closed
- 62 = Digital 6 is Opened
  
- 71 = Digital 7 is Closed
- 72 = Digital 7 is Opened
  
- 81 = Digital 8 is Closed
- 82 = Digital 8 is Opened

Compass Control “iBezel\_Sensor” Variable Description

Values:

- 0 = Proximity Sensor is Active
- 1 = Proximity Sensor is Inactive



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# iRoom iBezel Module Setup

## **About:**

iRoom provides an in-wall solution for Compass Control. Easily access the Compass Control App from the iBezel with touch button controls that can be simply programmed into Compass.

## **Setup Communication:**

iBezel is controlled wirelessly over IP on Port 13601. Please note that the KD-MC1000 is the only Master Controller that supports the iBezel's Touch Button Controls.

## **Setup in Compass Navigator:**

After including the iBezel Module, continue to the System Designer Tab (Zone Construction may be ignored if no iOS device is present).

Drag and Drop the module, "kd-iRoom-Keypad-iBezel-v1507", into the "TCPIP-50" port on the MC1000.

Once that is completed, go to the Variables Tab and click on the variable "iBezel\_Button".

Under "Events and Actions", there will be eighteen IF statements with conditions. Insert the desired command from other controlled devices in the project into each statement. Please refer to the table on the right for the number descriptions.

Ex: Button 1 was pressed  
if iBezel\_Button == 11 then ramp lights up.

Ex: Button 1 was released  
if iBezel\_Button == 12 then stop light ramp.

Ex: Button 3 was pressed  
if iBezel\_Button == 31 then turn on TV and Cablebox, then turn lights off

Ex: Button 6 was pressed  
if iBezel\_Button == 61 then close the blinds.

## **Setup Complete:**

Click on the Master Controller in System Designer and under Properties, click on "Update" to send the image to the Master Controller. The Master Controller will now execute commands corresponding to the programmed button in Compass.

## **Control:**

Compass Control "iBezel\_Button" Variable Description

Values:

- 1 = Home Button Pressed
- 2 = Home Button Released
  
- 11 = Button 1 Pressed
- 12 = Button 1 Released
  
- 21 = Button 2 Pressed
- 22 = Button 2 Released
  
- 31 = Button 3 Pressed
- 32 = Button 3 Released
  
- 41 = Button 4 Pressed
- 42 = Button 4 Released
  
- 51 = Button 5 Pressed
- 52 = Button 5 Released
  
- 61 = Button 6 Pressed
- 62 = Button 6 Released
  
- 71 = Button 7 Pressed
- 72 = Button 7 Released
  
- 81 = Button 8 Pressed
- 82 = Button 8 Released

Compass Control Offers

- Remote Dock Open/Close
- Relay Open/Close