



Integration Note

Manufacturer:	iRoom
Model Number(s):	touchDock iTop OnWall iTop
Minimum Core Module Version:	8.6.18
Document Revision Date:	26/05/2021

OVERVIEW AND SUPPORTED FEATURES

This driver allows a g! system to send commands to and receive events from the supported iRoom models over an IP network connection.

IROOM DEVICES SUPPORT THE FOLLOWING FEATURES:

Output Control

- Lock (lock or unlock ipad)

Sense Inputs

- Buttons (1-6)
- Proximity Sensor
- Beep
- Lock/Dock states

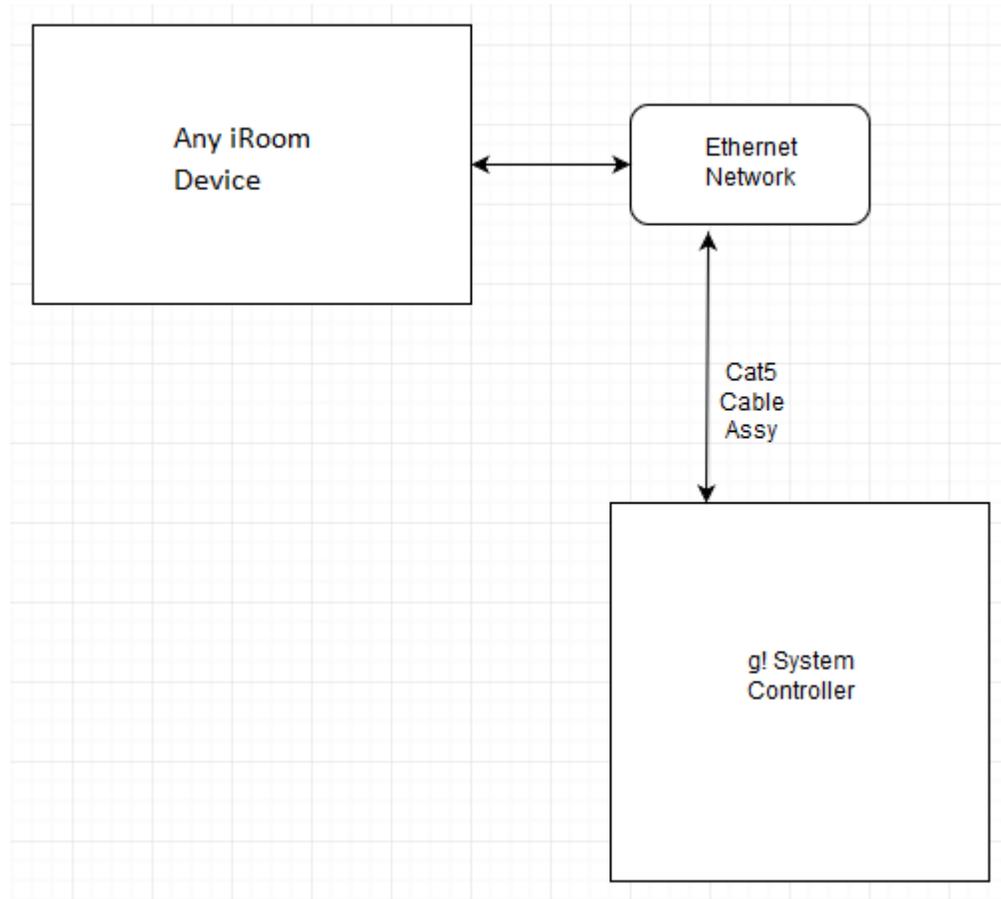
Additional functionality

- Control the brightness of LEDs displayed on iRoom device.
- Short/Medium/Long Beep functions

Any feature not specifically noted as supported should be assumed to be unsupported.
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CONNECTION DIAGRAM: CONTROL VIA IP

Refer to the **Bill of Materials** and **Wiring Diagram** that follow.



BILL OF MATERIALS

Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
iRoom Device	iRoom	touchDock/iTop On Wall/iTop	Ethernet	RJ-45 Female	
g! Controller	Elan	Various (e.g. SC10)	Ethernet	RJ-45 Female	

CONFIGURATION

The user guide assumes that the iRoom device is configured, tested & working in advance of any g! configuration.

In Configurator, under the Input/Output tab, choose to add a new communication device, selecting **iRoom iTop Controller**. The comms module will automatically add input and output drivers for the device.

Enter the IP address of the iRoom device in the comms driver.

The durations of short/medium/long beeps (triggered by event map commands) can be edited in the **output** driver configurator properties. Valid values range from 0.1 seconds to 10 seconds (1 decimal place allowed).

Device Type	iRoom iTop Output
Short Beep Time (s)	0.1
Medium Beep Time (s)	0.5
Long Beep Time (s)	1
IP Address	172 . 16 . 112 . 24
Port	13601

The brightness of the LED buttons is controlled through integer variables LED_1 through to LED_6 on the **iRoom iTop Controller (communication device)**. For example, the LED brightness can be controlled in the g! UI on a **Custom Page** using standard slider controls bound to one of the integer variables:

Slider Properties

Name	Slider	Picture...
Text Color	<input checked="" type="checkbox"/> Default	
Face Color	<input checked="" type="checkbox"/> Default	
Radius	<input checked="" type="checkbox"/> Default	
Shading	<input checked="" type="checkbox"/> Default	
Shading	<input checked="" type="checkbox"/> Default	
Style	Horizontal	Border
Text Size	<input checked="" type="checkbox"/> Default	Align
Options		Universal Function
Connect To	iRoom iTop Controller: LED_4	

Default Behavior

G! CONFIGURATION DETAILS

The following table provides settings used in the **g!** Configurator. Please refer to the Configurator Reference Guide for more details.

- “<Select from list>” in the Configurator. Select the appropriate item from the list (or drop-down)
- “<User Defined>”, etc. Type in the desired name for the item.
- “<Auto Detect>”, etc. The system will auto detect this variable.

Devices	Variable Name	Setting	Comments
Communication Devices	Name	<User Defined> (Default: iRoom iTop Controller)	
	System #	<Auto Detect>	
	Device Type	<Auto Detect>	
	Driver Name	<Auto Detect>	
	Driver Version	<Auto Detect>	
	Driver Vendor	<Auto Detect>	
	Installed	<Auto Detect>	
	Operational Status	<Auto Detect>	
	IP Address	<User Defined>	
	Port	<Auto Detect>	
Input Controller	Name	<Auto Detect>	
	System #	<Auto Detect>	
	Status Color Coding	<User Defined>	
	Status	<Auto Detect>	
	Driver Version	<Auto Detect>	
	Driver Vendor	<Auto Detect>	
	Installed	<Auto Detect>	
	Device Type	<Auto Detect>	
	IP Address	<Auto Detect>	
	Port	<Auto Detect>	
Input	Name	<User Defined> (e.g. Proximity Sensor)	
	System #	<Auto Detect>	
	Device ID	<Auto Detect>	
Output Controller	Name	<Auto Detect>	
	System #	<Auto Detect>	
	Status Color Coding	<User Defined>	
	Status	<Auto Detect>	
	Driver Version	<Auto Detect>	
	Driver Vendor	<Auto Detect>	
	Installed	<Auto Detect>	
	Device Type	<Auto Detect>	
	Short Beep Time (s)	<User Defined> (Default: 0.1)	Short Beep duration in seconds
	Medium Beep Time (s)	<User Defined> (Default: 0.5)	Medium Beep duration in seconds
	Long Beep Time (s)	<User Defined> (Default: 1)	Long Beep duration in seconds
	IP Address	<Auto Detect>	
Port	<Auto Detect>		
Output	Name	<User Defined> (e.g. Lock)	
	System #	<Auto Detect>	
	Device ID	<Auto Detect>	

COMMON MISTAKES

DRIVER CAN'T CONNECT TO IROOM DEVICE

Confirm the correct IP address has been entered in the communication device:

- Use a MAC based reservation on router.
- The IP address can also be seen on the iRoom iPad app when the iPad is docked and connected to the iRoom device.