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inner range

# Inner Range Cellguard Intercom Plugin

Inner-Range-Cellguard-Intercom-Plugin-product-image

## Specifications

- **Product Name:** Integriti CellGuard Intercom Plugin
- **Compatibility:** Integriti Pro/Infiniti v20 license or higher
- **Minimum Installed Integriti Version:** v19.0
- **Licensing:** Intercom Integration license required

## INTERCOM CAPABILITIES

| Capability | Cell Guard |
|---|---|
| **Intercom Call Control** | |
| Make Intercom Calls | |
| Terminate Intercom Calls | |
| Answer Intercom Calls | |
| Forward Intercom Calls | JC |
| Place Intercom Calls On Hold | JC |
| Specify Call Urgency When Creating Calls | JC |
| Make/Terminate PA Calls | |
| Make/Terminate Group PA Calls | |
| **Intercom Control** | |
| Adjust Intercom Call Volume | JC |
| Restart Intercom Points Remotely | |
| Control Music Streaming Function Of Intercom | JC |
| Covertly Monitor Intercoms | |
| Activate Intercom Door/Relay | JC |
| Simulate Button Press on Intercom Point | JC |
| Soft Button Intercom Push-To-Talk | JC |
| Soft Button PA System Push-To-Talk | JC |
| View Live Video Footage From Compatible Intercom Points | JC |

| Capability | Cell Guard |
|---|---|
| **System Integration** | |
| Multisite Operation | |
| Trigger Intercom Command on Integriti Event | |
| Control Integriti Door on Intercom Event | |
| **Status & Event Monitoring** | |
| Monitor Endpoint Status Changes (Online/Offline/Alarm/Call State) | |
| Monitor System Controller Connection Status | |
| Logging of Intercom Events | |
| Pending Intercom Call Notification (Call Queue) | C |
| Notification of Intercom Calls | |
| **Integriti System Control** | |
| Control Intercoms Based on Alarms/Events from third party Systems (i.e. CCTV). | |
| Automatically Control Integriti Objects Based on events from Intercom | |
| Automatically Control third party Systems (i.e. CCTV) based on Events from Intercom | |
| **Integriti Schematics** | |
| Display Intercoms on Schematics | |
| Change Display of Intercoms Based on Status | |
| Control Intercoms from schematics | |

**NOTE:** Support for any feature listed above may be model or version specific – further consultation with Inner Range  and the Intercom manufacturer is highly recommended.

| | |
|---|---|
| **Required Integriti Version License** | The Integriti CellGuard Intercom Integration requires an Integriti Pro/Infiniti v20 license or higher to be present on the product key running the integration. |
| **Minimum Installed Integriti Version** | The Integriti CellGuard Intercom Integration is only compatible with an installation of Integriti Pro or Infiniti that is v19.0 or higher. |
| **Licensing** | The Intercom Integration license is required to use the CellGuard Plugin |
| **Tested Against** | The Integriti CellGuard Intercom plugin was built and tested against the following CellGuard software:<br><br>• CellGuard ACM upgrade 24 |

## INSTALLATION/UPDATING

**NOTE:** When installing multiple Integriti Integration Plugins, the plugin with the highest build number should be installed last. The build number can be found in brackets in the file name of the installer for the plugin.

Close all instances of the Integriti software suite and stop the Integriti Integration Server service.

Download and run the plugin installer on the server and client workstations.

Integriti_Intercom_CellGuard_Plugin_x.x_(xxxxx).exe

After the installation has completed, you will need to restart the Integration Server service.

On the Integriti server, start the Integriti System Designer as an administrator. Click one of the Integration service icons on the bottom left of the login dialog to stop and start the selected service.
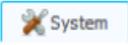
**Enrolment**

Integriti Pro/Infiniti Configuration: To enroll a Cell Guard Intercom Server

1. Click on the [System] tab followed by [ ]

2. Select CellGuard Intercom from the list that appears and click [OK].

3.

    Inner-Range-Cellguard-Intercom-Plugin-image-5

    In the editor window that appears, give the new Intercom System a name.

4. Tick ☑ Maintain Persisted Connection above the [ ] tab if events
   are to be received from the CellGuard server.

5. Select the Integriti Integration server that will be used for the integration.

6. Enter the necessary settings for the plugin.

**Device Attributes**

**Connection**

- Port – The Port used to connect to the Server. This is 22222 by default.
- This port should be configured in the Integriti Integration Server and any Integriti Client Machine's firewalls to allow it to be used.
- External Device Identifier – The Identifier of the External Device configured in the CellGuard ACM file.
- Address – The IP Address of the Server to connect to.

**Configuration**

- ACM Site Config Directory – Select the directory of the ACM Site Config file. This will be used to populate the Intercom Points in Integriti from all Node and Call elements in the ACM Site Config file.

**Monitoring**

- Message Types – Allows the types of Events received from the Server to be filtered based on event type.
  Select the event types to be monitored from the dropdown list.
- Monitor Events – Set to true to enable monitoring of Events from the connected Server.
  Only Events of types selected in the 'Events' property will be monitored.
  Events will only be received when 'Maintain Persisted Connection' is selected.
- Monitor Intercom State – Set to true to enable monitoring of Intercom State changes from the connected Server. The state of configured Intercom Points in Integriti will be updated as the associated Intercom's state changes in the server.
  Intercom State changes will only be received when 'Maintain Persisted Connection' is selected.

**Mappings**

- Workstation To Station Number Map – A set of mappings of Workstation Host Names to CellGuard Intercoms. This allows specific intercoms to be associated with an Integriti workstation for use in Workstation-specific commands. NOTE: Mappings must be set for each computer that will be sending 'Call Intercom Point' commands, to specify which Intercom Point the call should be made from.

**Logging**

- Log Verbosity – Only logs of the specified level or higher will be logged. If Warning is selected, only Warning, Error and Fatal logs will be written to the log.

**Child Devices**

1. Click on [          ] .
   After a short wait, a list of all of the intercoms configured in the selected Intercom Server will be added to the [ Child Devices ] tab.
2.

| | Db Object | Notes | ⛒ Refresh Child Devices |
|---|---|---|---|
| ⛒ | | | |
| > | ⛐ AUTODOME IP 4000 HD (192.168.10 | | |
| | ⛐ DS-2DF5284-A(20851) | | |
| | ⛐ KCM5311-11F-X-00052(63747:2) | | |
| | ⛐ KCM5311-11F-X-00052(63747:1) | | |

You can optionally add notes next the child devices.

3. Save and close the editor window for the new integrated Intercom System.

## EVENTS

### Receiving Messages

In the Integriti System Designer software:

1. Create and configure a CellGuard Intercom System as described in Enrolment.
2. Ensure that 'Monitor Events' is set to true and ⬚⬚⬚⬚⬚⬚⬚ is ticked.
3. Select the types of events to be received in 'Valid Events'.
4. Upon saving the CellGuard Intercom System, Review Messages will be automatically generated for any event that
5. occurs in the CellGuard Server of any event types selected in 'Valid Events'.

Intercom messages will appear as an 'Integration' type with the source being the Integriti integration server and the text prepended by '[CellGuard Intercom]'.
e.g. "CCTVServer32: IntegritiIntegrationServer32@YOURINTEGRITISERVER"

### Monitoring Intercom Point State

**NOTE:** Only call states are currently received from the CellGuard system. All other Intercom states will be set to unknown by default.

1. Create and configure the CellGuard Intercom System as described in Enrolment.
2. Retrieve child Intercom Points from the selected server by selecting ⬚ Refresh Child Devices in the Intercom System.
3. In the selected Intercom System set 'Monitor Intercom State' to true and ensure
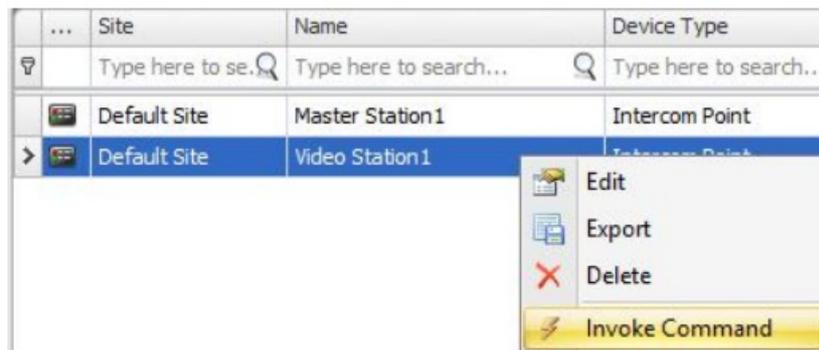
 is ticked.

4. Upon saving the Intercom System, any future call state changes for Intercom Points will begin to be monitored through both Review messages and the 'Status' and 'Summary' properties of the Intercom Points in Integriti.

| Name | Device Type | Notes | Status | Summary |
|---|---|---|---|---|
| Type here to search... | Type here to sear | Type | Type here t. | Type here to s |
| 101 Front Door | Intercom Point | | Online | Online |
| Intercom Slave | Intercom Point | | Online | Online |
| 102 Reception | Intercom Point | | Offline | Offline |
| 103 Entry Gate | Intercom Point | | Offline | Offline |

## INVOKING COMMANDS

**Invoking Commands on CellGuard Intercom Systems**

To perform a command on the CellGuard System through the Integriti software select 'Invoke Command' from the context menu of the Intercom System for the selected server.
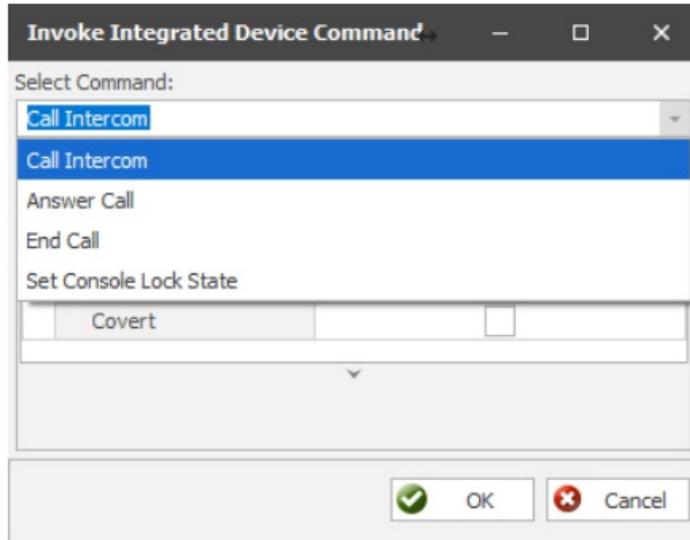


Inner-Range-Cellguard-Intercom-Plugin-image-17

From the Invoke Integrated Device Command window that appears, select the required command from the dropdown box:

Inner-Range-Cellguard-Intercom-Plugin-image-18

**Invoking Commands on CellGuard Intercom Points**

To perform a command on an intercom in the CellGuard System through the Integriti software select 'Invoke Command' from the context menu on an Intercom Point for the selected server.

From the Device Command window that appears, select the required command from the dropdown box:

| | |
|---|---|
| Call Intercom | Creates a call from the selected Intercom Point to the Intercom id entified by 'Destination'. Destination can either be set to the host name of the Integriti workstation to make the call to (requires Wor kstation to Station Number Map to be configured) or the ID of the Intercom to call. |
| Answer Call | Answers the next call in the queue for the selected Intercom Point . |
| End Call | Ends the currently connected call on the selected Intercom Point. |
| Set Console Lock State | Locks or unlocks the selected Intercom Point. This command can only be performed on NODE elements. |

| | |
|---|---|
| **Context Menu Co mmands** | Right clicking on an Intercom Point in either Integriti System Designer or Integriti Gatekeeper allows a number of quick commands to be performed directly from the Intercom Point without having to open the 'Invoke Command' dialog. The following commands can be found from the right-click menu of any CellGuard Intercom Points in both the Intercom Point list and in Schematics. |
| Call Intercom Point | Creates a call from the selected Intercom Point to the Station Number mapped to the host name of the Integriti workstation performing the command in the Workstation to Station Number map. If no mapping is found, this command will do nothing. This command requires the Workstation to Station Number map be configured for all Integriti workstations that will perform this command. |
| Answer Call | Answers the next call in the queue of the selected Intercom Point. |
| End Call | Ends the currently connected call on the selected Intercom Point. |

## ASSOCIATION WITH INTEGRITI ENTITIES

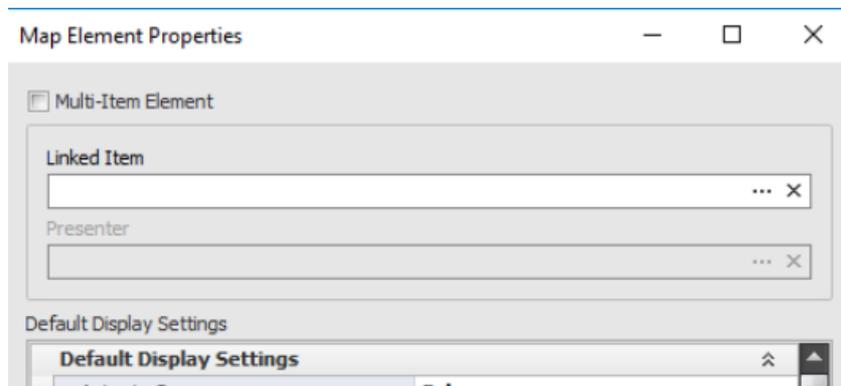**Associating Integriti Entities with an Intercom Point**

1. Create and configure the CellGuard Intercom System as described in Enrolment.
2. Retrieve child Intercom Points from the selected Intercom Master Station by selecting [                    ] in the  Intercom System.
3. Close the editor for the Intercom System and open the editor for the Intercom Point to associate with Integriti Entities.
4. Under [ Associated Entities ], click on the [ Add ] button.

5. From the window that appears, select the Entities to associate with the Intercom Point.

6. Save and close the window.

## SCHEMATICS

### Adding Intercom Points to Schematics

1. In Integriti System Designer double click on the Schematic Map to add the desired Intercom Point/s to. The editor window for the Schematic should appear.

2. Select _____ from the bar at the top of the screen and click on the map at the desired location of the Intercom Point  to add a new icon to the Schematic at the selected location. The Map Element Properties window should appear.

3.



Select in the [Linked Item field] property to select the Intercom Point to add to the Schematic. The Find  Entity window should appear.

4. From the left hand side of the Find Entity window select _____ to filter the list down to show only Intercom  Points.

5.

IInner-Range-Cellguard-Intercom-Plugin-image-27

From the list of Intercom Points available in the system, select the Intercom Point to add to the Schematic and select [OK] to close the Find Entity window.

6. Select [OK] again in the Map Element Properties window to finish adding the selected Intercom Point to the  map.

7. Move and resize the newly added icon ( �'᳴ ) for the selected Intercom Point to the desired location and size.

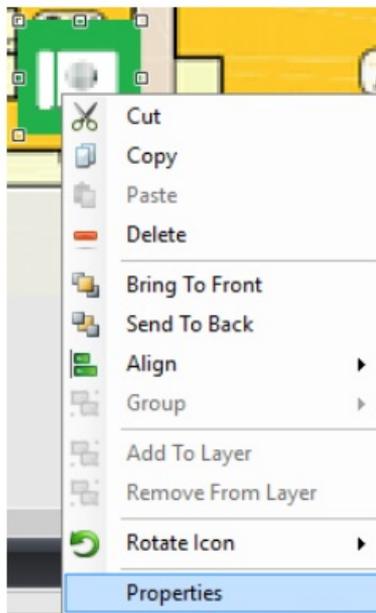8. Save and close the editor for the Schematic.

Upon being added to a Schematic, the icon for the Intercom Point will allow for the following in the Schematics Map:

- If Monitoring Intercom Point State is enabled, the live state of the Intercom Point will be shown on the map through different colored icons, as well as a text description when the icon is clicked on.
- Invoking one of the available commands for the selected Intercom Point.

**Invoking Intercom Commands from Schematics Map**

Although it is possible to invoke an Intercom Command by selecting 'Invoke Command' from either the context menu or the Commands section for an Intercom Point, it is also possible to expose commonly used commands on an Intercom Point for easy access.

1. Open the Schematics Map to edit.
2. Right click on the Schematics Map Element for the Intercom Point to expose commands for and select 'Properties'.



3. In the 'Additional Commands' section of the properties window select 
4. In the new row, give the Command a name and optionally select a custom icon to be shown next to the command.
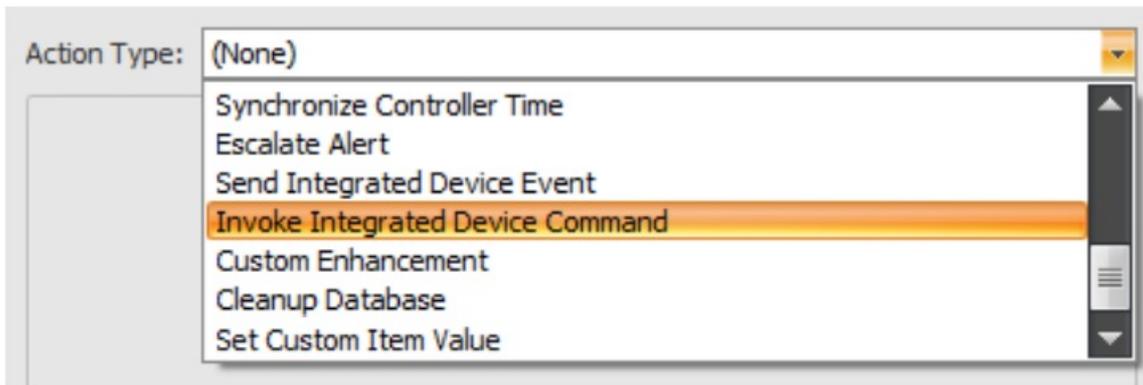5. 

   Inner-Range-Cellguard-Intercom-Plugin-image-31

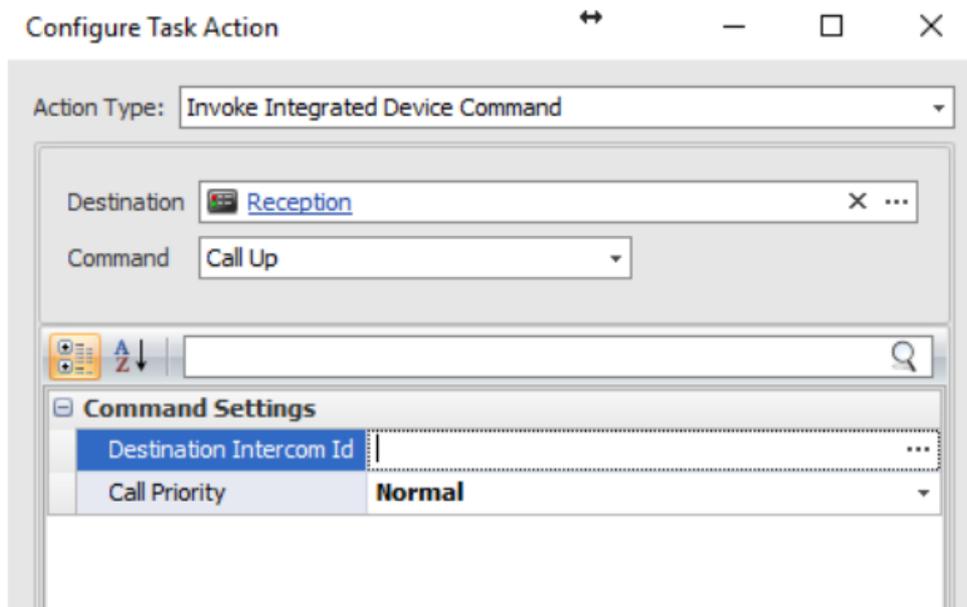   Click on the command cell and select to open the command configuration.
6. From the 'Action Type' dropdown select 'Invoke Integrated Device Command'.
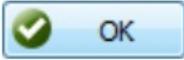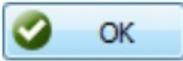7.

Select in the 'Destination' property and select the Intercom Point associated with the selected Schematic Element.

8. Select the command to program and enter the necessary properties – See 'Invoking Commands on Cell Guard Intercom Points' for more details on available commands.

9.



Select [OK] to save the configured command.

10. Optionally add more 'Additional Commands'.

11. Once finished select [OK] and the configured commands will be available in both the context menu and the  Commands section for the selected Schematics Element.

## TROUBLESHOOTING

**Plugin doesn't appear in 'New Integrated Device' List**

Restart the Integriti Integration Server and restart any instances of Integriti System

Designer or Integriti Gatekeeper open on the computer experiencing the problem

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# Documents / Resources

[Inner Range Cellguard Intercom Plugin](#) [[pdf](#)] User Manual
Cellguard Intercom Plugin, Cellguard Intercom Plugin, Intercom, Plugin

## References

- [User Manual](#)

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