

Chief Integrations ShowRunner RS-232 Interface Specs

Connect serial device to dedicated Crestron COM Port. Typically a Crestron C2N-IO.

Default COM port settings RS-232 9600,81N with no hardware handshaking

All commands are prefixed with 'Area' followed by the ID. Multiple areas are supported, use ListAreas command to obtain list of areas configured on interface.

Spaces are significant.

Responses are sent automatically for scene, occupancy, and partition changes. Load Level feedback can be enabled.

Terminator is a carriage return, 0Dh, which is shown as [0Dh], use the correct escape sequence on your platform, do not include brackets.

Commands are NOT case-sensitive.

Command Format is: Area (ID) Command Parameters [0Dh]

Commands:

List All Areas Configured on Interface by ID:

```
ListAreas [0Dh]
```

Query Scene Names and Status (Area ID is 1)

```
Area (ID) Query Scenes [0Dh]
```

```
Example: Area1 Query Scenes [0Dh]
```

Query Load Names (Area ID is 1)

```
Area (ID) Query Names [0Dh]
```

```
Example: Area1 Query Names [0Dh]
```

Query Levels:

```
Area (ID) Query Levels [0Dh]
```

```
Example: Area1 Query Levels [0Dh]
```

Query Occupancy:

```
Area (ID) Query Occupancy [0Dh]
```

```
Example: Area1 Query Occupancy [0Dh]
```

Query Partition Sensor:

```
Area (ID) Query Partition [0Dh]
```

```
Example: Area1 Query Partition [0Dh]
```

Recall Scene:

Area(ID) Scene X[0Dh] X=0 to max configured scene number, typically 5.

Example: Area1 Scene 1[0Dh]

Save Scene:

Area(ID) SceneSave X[0Dh] X=0 to max configured scene number, typically 5.

Example: Area1 SceneSave 1[0Dh]

Load On:

Area(ID) LoadX On[0Dh] X=Load ID

Example: Area1 Load1 On[0Dh]

Load Off:

Area(ID) LoadX Off[0Dh] X=Load ID

Example: Area1 Load1 Off[0Dh]

Raise Start:

Area(ID) X Raise[0Dh] X=Master, Load(ID)

Example: Area1 Master Raise[0Dh]

Example: Area1 Load5 Raise[0Dh]

Lower Start:

Area(ID) X Lower[0Dh] X=Master, Load(ID)

Example: Area1 Master Lower[0Dh]

Example: Area1 Load5 Lower[0Dh]

Raise/Lower Stop:

Area(ID) X Lower[0Dh] X=Master, Load(ID)

Example: Area1 Master Stop[0Dh]

Example: Area1 Load5 Stop[0Dh]

Load Level:

Area(ID) LoadX Level Y,Z[0Dh] X=Load ID, Y=0-100 (Percentage), Z=Fade Time (Optional as a double)

Example: 50 percent over default fade time (typically 1 second)

Area1 Load1 Level 50[0Dh]

Example: 100 percent over 30 seconds

Area1 Load5 Level 100,30.0[0Dh]

Area1 Load5 Level 100,30[0Dh]

Enable Load Level Feedback:

Area(ID) LoadFeedback On[0Dh]

Example: Area1 LoadFeedback On[0Dh]

Disable Load Level Feedback (Default):

Area(ID) LoadFeedback Off[0Dh]

Example: Area1 LoadFeedback Off[0Dh]

Responses:

Query Scene Responses:

Area(ID) SceneX Name=Y[0Dh] X=Scene ID, Y=Scene Name

Example:

```
Area1 Scene0 Name=Off[0Dh]
Area1 Scene1 Name=Scene 1[0Dh]
Area1 Scene2 Name=Scene 2[0Dh]
Area1 Scene3 Name=Scene 3[0Dh]
Area1 Scene4 Name=Scene 4[0Dh]
Area1 Scene5 Name=Scene 5[0Dh]
Area1 Scene=0[0Dh]
```

Query Names Response, sent in response to "query":

Area(ID) LoadX Name=Y[0Dh] X=Load ID, Y=Name of Load

Example: Area1 Load1 Name=Pendant Lights[0Dh]

Query Occupancy Responses:

Area(ID) Occupied[0Dh]

Area(ID) Vacant[0Dh]

Example: Area1 Occupied[0Dh]

Query Partition Responses:

Area(ID) Combined[0Dh]

Area(ID) Divided[0Dh]

Example: Area1 Divided[0Dh]

ListAreas Response:

Area(ID)=X[0Dh] X=Name of Area configured in system

Example: Area1=Office 101[0Dh]

Example: Area2=Conference Room[0Dh]

Scene Recalled Feedback:

Area(ID) Scene=X[0Dh] X=0 to max configured scene number, typically 5.

Example: Area1 Scene=1[0Dh]

Save Saved Response:

Area(ID) SceneSaved=X[0Dh] X=0 to max configured scene number, typically 5.

Example: Area1 SceneSaved=1[0Dh]

Load Level Feedback, sent in response to "query" or anytime load changes (If feedback is enabled):

Area(ID) LoadX Level=Y[0Dh] X=Load ID, Y=0-100 (Percentage)

Example: Area1 Load1 Level=50[0Dh]