

How to

Code Blue Integration Configuration Guide
For AXIS I9410 and AXIS I9416

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Contents

<u>1.</u>	<u>CONSIDERATIONS AND LIMITATIONS</u>	<u>3</u>
<u>2.</u>	<u>INTRODUCTION</u>	<u>3</u>
<u>3.</u>	<u>WIRING THE EXTERNAL CALL BUTTON</u>	<u>4</u>
<u>4.</u>	<u>CONFIGURING THE EXTERNAL CALL BUTTON AND BLUE LIGHT</u>	<u>5</u>
<u>4.1.</u>	<u>ACCESSING THE INTERCOM WEB INTERFACE</u>	<u>5</u>
<u>4.2.</u>	<u>CONFIGURING THE I/O PORT</u>	<u>5</u>
<u>4.3.</u>	<u>CONFIGURING EVENT RULES</u>	<u>8</u>
<u>5.</u>	<u>TESTING THE EXTERNAL CALL BUTTON AND BLUE LIGHT BLINK</u>	<u>10</u>
<u>6.</u>	<u>TROUBLESHOOTING</u>	<u>10</u>

1. Considerations and limitations

- This guide is intended for integrating Code Blue Help Points with Axis I8016-LVE or I7010-VE intercoms, officially referred to as AXIS I9410 and AXIS I9416.
- The intercom firmware must be version 12.10 or later.
- The red emergency button (“Push for Help”) on the Code Blue unit is designed to trigger a SIP call directly to a PBX or peer-to-peer end point.
- Always follow the official wiring instructions, instruction guides and safety guidelines provided by Axis Communications and Code Blue.

2. Introduction

This document provides step-by-step instructions for installers, configurators, and customers to integrate an external call button and blue light output wiring from a Code Blue Help Point with compatible Axis intercoms (I8016-LVE or I7010-VE). The integration enables the external button to function as a standard call button while also allowing relay-triggered blue light activation during active calls or event conditions.

The primary objective is to configure the external button to initiate calls in the same way as the built-in intercom button by connecting it to an I/O port and configuring it through the intercom web interface.

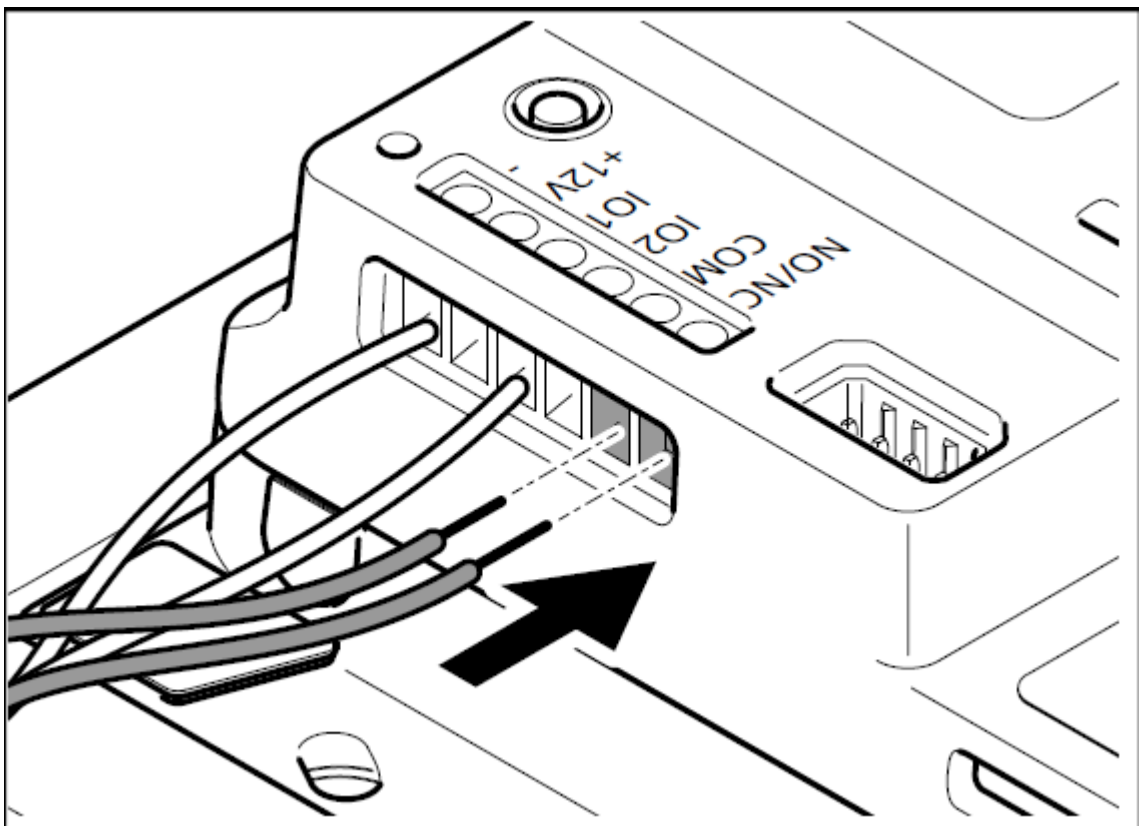
Prerequisites

- Code Blue Help Point with customized faceplates featuring “INFO” and “PUSH FOR HELP” buttons (AXIS I9410 or AXIS I9416)
- Firmware Version: 12.10 or later
- Access to the official installation guide or wiring instructions
- Network access to the Axis intercom web interface
- Physical access to the intercom and Code Blue Help Point for wiring and testing

3. Wiring the External Call Button

1. Disconnect power from both the Axis intercom and the Code Blue Help Point before making any connections.
2. Locate an available digital input (I/O) port on the Axis intercom.
3. Connect the external call button wires from the Code Blue Help Point to the selected digital input port according to the official installation guide.
4. Connect the blue light terminal wires to the appropriate relay NO/NC and COM ports as specified in the installation guide.
5. Double-check all wiring connections before restoring power.
6. Reconnect power to both devices after completing the installation.

Reference screen shot from the installation Guide:



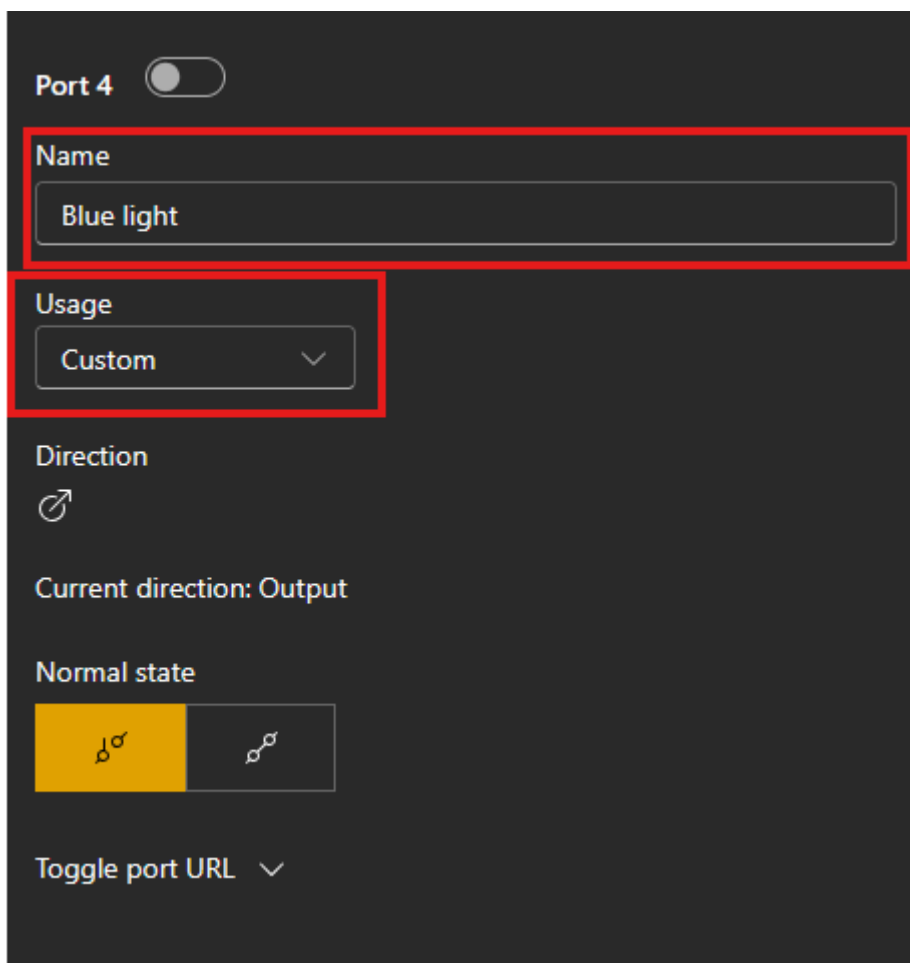
4. Configuring the External Call Button and Blue Light

4.1. Accessing the Intercom Web Interface

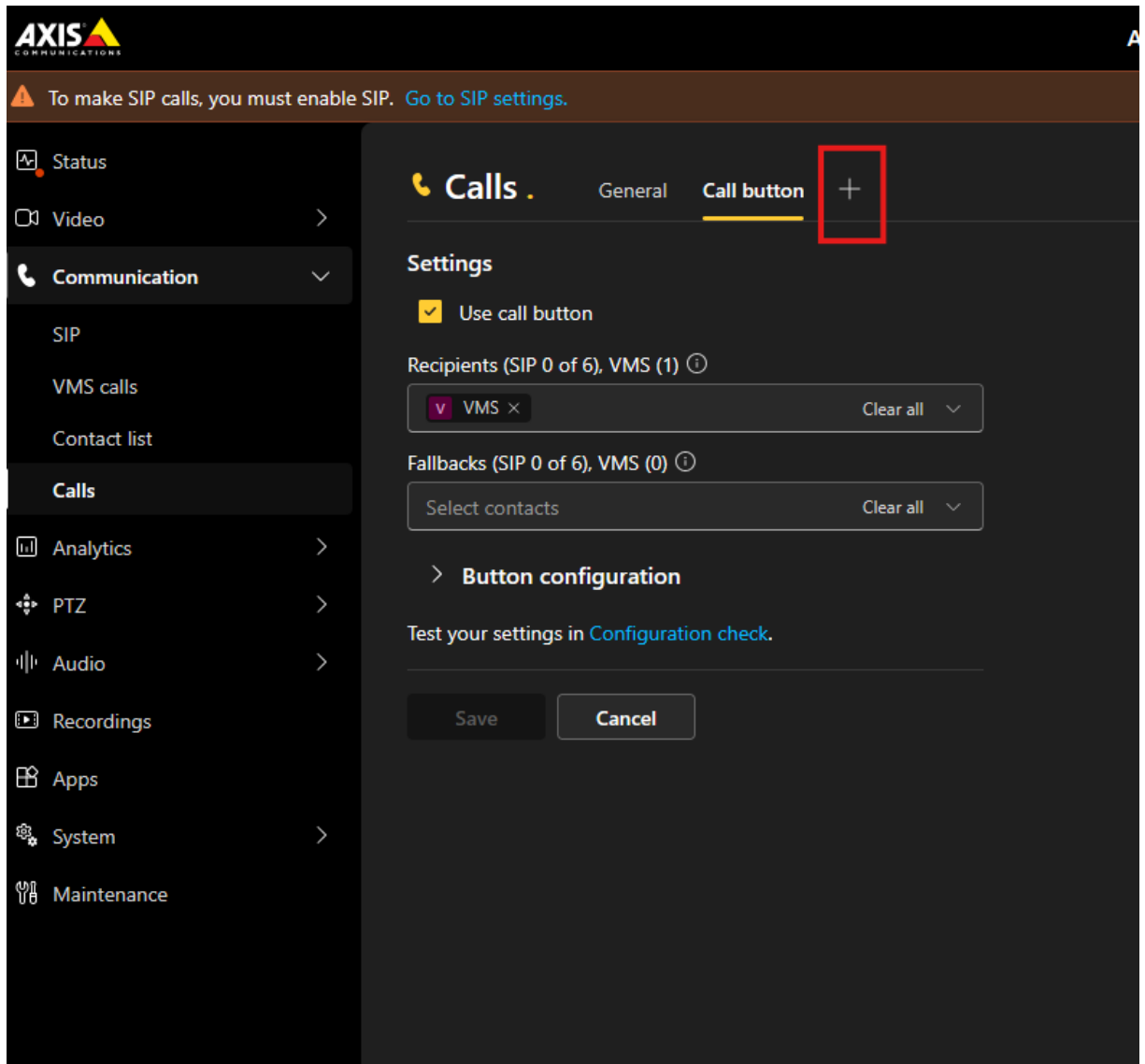
1. Open a web browser and navigate to the IP address of the integrated Axis intercom.
2. Log in using administrator credentials.

4.2. Configuring the I/O Port

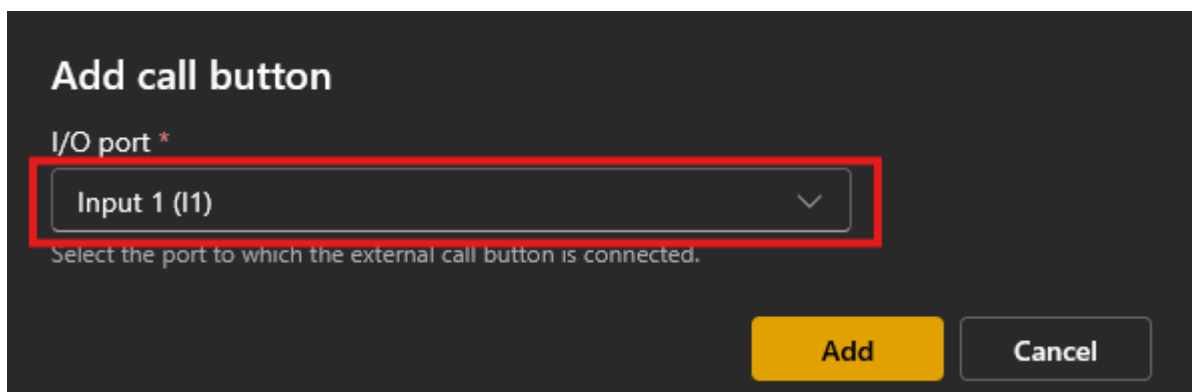
1. Go to Settings > Accessories.
2. Rename Port 4 as "Blue Light" or another preferred name and set the usage to "Custom".



3. Navigate to Communications > Calls and add a new call button.



4. Select I/O Port Input 1 and click Add.



5. Configure the desired recipient and fallback destinations.

Calls . General Call button 1 **Call button (I/O 1)** +

Settings

Use call button

Recipients (SIP 0 of 6), VMS (0) ⓘ

Select a recipient Clear all ▾

Fallbacks (SIP 0 of 6), VMS (0) ⓘ

Select contacts Clear all ▾

▼ **Button configuration**

Button functionality during a call

End the call

No functionality until the call has ended

Delay before you can end the call

Delay (seconds)

1

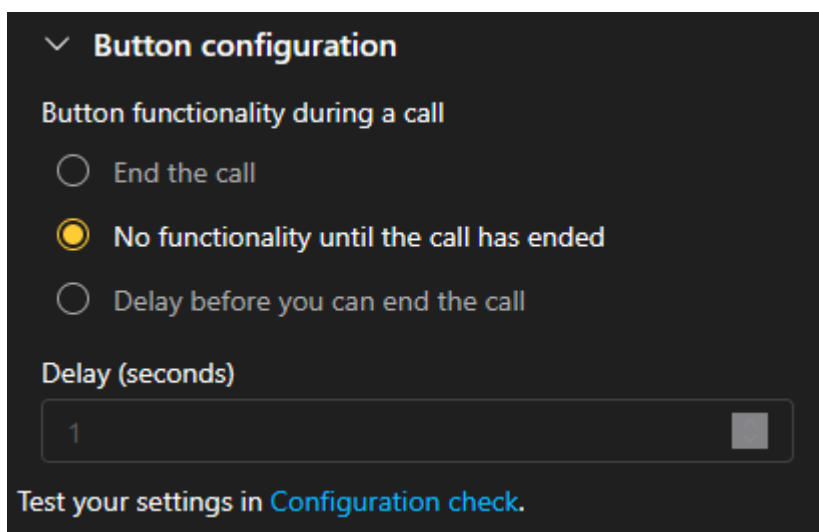
Test your settings in [Configuration check](#).

Save Cancel Remove

-
- Choose the required button functionality based on the installation requirements.

Button Functionality Options:

- End the call: Pressing the external button again will end the active call.
- No functionality until the call has ended: Pressing the button again during an active call will not interrupt or end the call.
- Delay before you can end the call: Prevents the call from ending immediately and helps suppress repeated button presses.

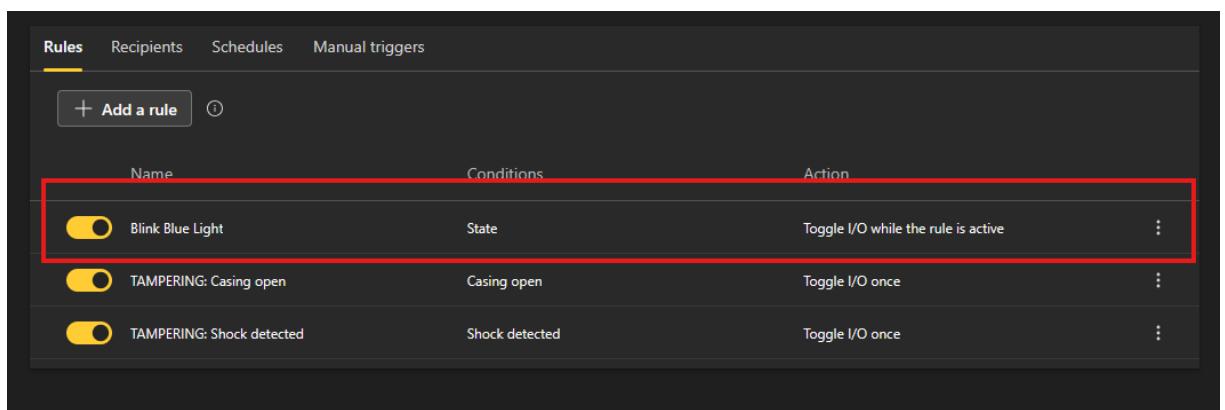


- Click Save to apply the settings.

4.3. Configuring Event Rules

To enable the blue light to blink during an active call, configure an event rule:

- Go to Systems > Events.
- Click Add Rule.



3. Configure the trigger and action settings based on your operational requirements.

Add rule

Use this rule

Name
Blink Blue light

Wait between actions (hh:mm:ss)
00:00:00

Condition

Use this condition as a trigger

State

State
Active

+ Add a condition

Action

Toggle I/O while the rule is active

Port
Blue light

State
Active

Cancel Save

4. Save the rule configuration.

5. Testing the External Call Button and blue light blink

After configuration, thoroughly test the external call button and blue light blinking:

1. Press the External Button: Activate the external call button on the Code Blue Help Point.
2. Verify Call Initiation: Confirm that the intercom initiates a call to the configured destination.
3. Verify blue light blinking: When the operator picks up the call, confirm if blue light starts to blink.
4. Verify Pictograms: Check that the intercom's pictograms (e.g., "Calling") illuminate or display correctly.
5. Verify Audio: If configured, ensure any audio messages play correctly and at the appropriate volume.
6. Test Call Suppression (if applicable): If you have multiple call buttons (built-in and external), test that pressing one will not suppress the other as expected.

6. Troubleshooting

- Button not appearing in settings:
 - Double-check the wiring to the I/O port.
 - Ensure the I/O port is correctly configured
 - Try restarting the intercom.
- Call not initiating:
 - Verify the call destination (SIP address/phone number) is correct.
 - Check network connectivity and SIP registration status.
 - Ensure the external button's usage is enabled ("Use call button should be checked") inside Communications > Calls > Call button (I/O 1).
- No audio:
 - Check intercom's general audio settings in Audio section.