

RTI IST-5 & IST-10 Siedle Video Doorbell Integration

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A. Overview

The IST series touchpanel with their elevated processing power and enhanced memory, play hi-resolution video in H.264 or H.265 format. Dual speakers, far-field microphone array, SIP-readiness, plus full duplex capability make the IST touchpanels perfect for intercom and as an interface for Siedle video doorbells and others.

Note: This document covers the configuration of the IST-10 touchpanel. However, RTI integration of Siedle video doorbell stations works with both the IST-10 and IST-5.

B. System Requirements

RTI

Touchpanel: IST-10

Software: Integration Designer Version 11.10.2 (Build 10/15/2024) or later

Siedle

Video Doorbell Stations:

- ACM 673-03 + ATLM 670-0 + BTM 650 + ATLC/NG 670-0 or
- ACTLM 770 0 + TM 700 4 + A I O 670 0

Server: ASH 671-0 S

Software: Access Professional (Release 7.2.2 or later)

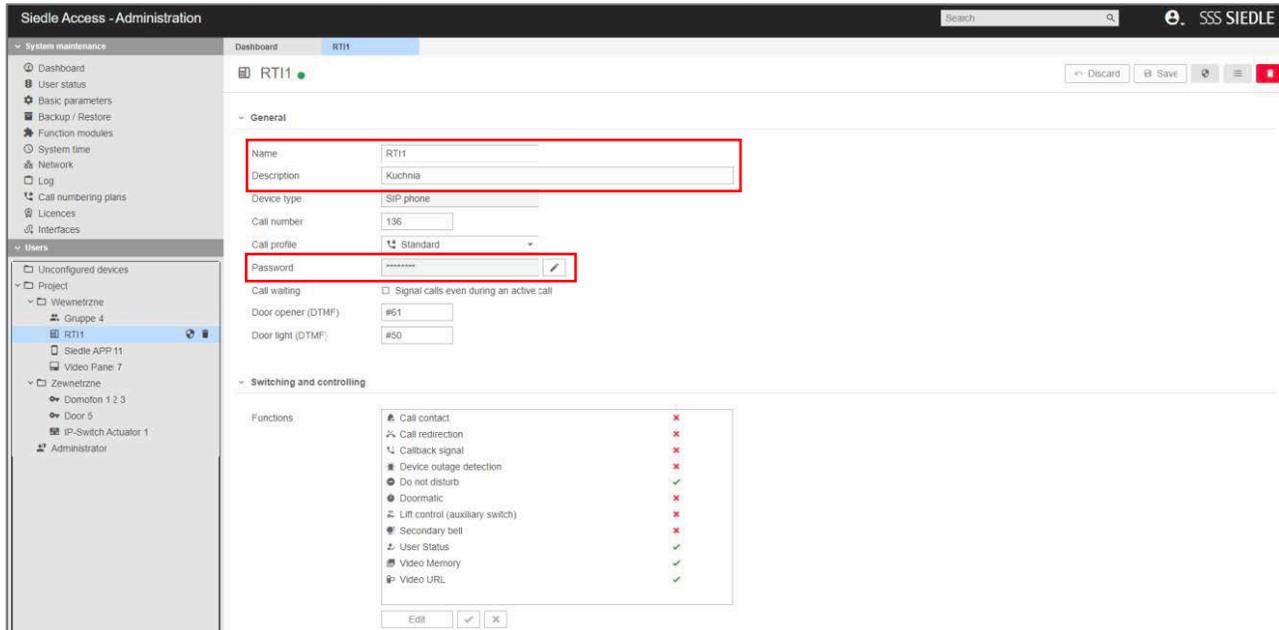
Licenses:

- APR 670-0 B (Access Professional Basic License)
- ALFA 270-0 (Access License for connecting a non-Siedle device; VoIP telephone (audio/video))

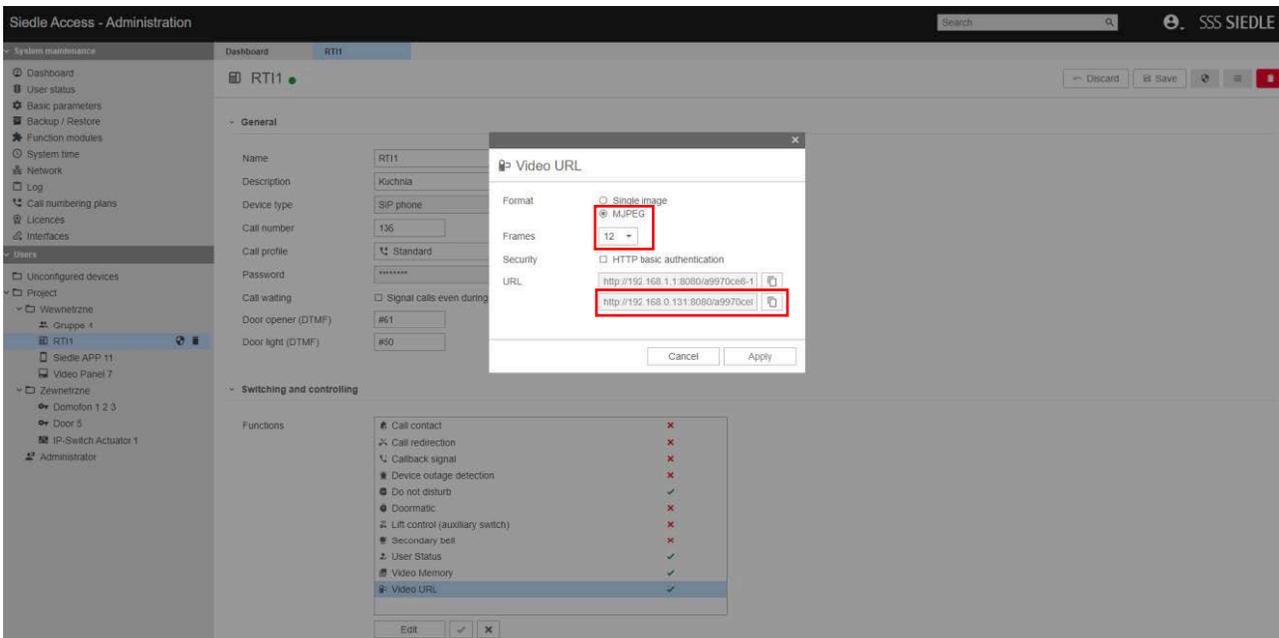
C. Siedle Access Configuration

Add an SIP Phone device to the project in Siedle’s Access Professional software.

Enter name, description and password and save the changes.

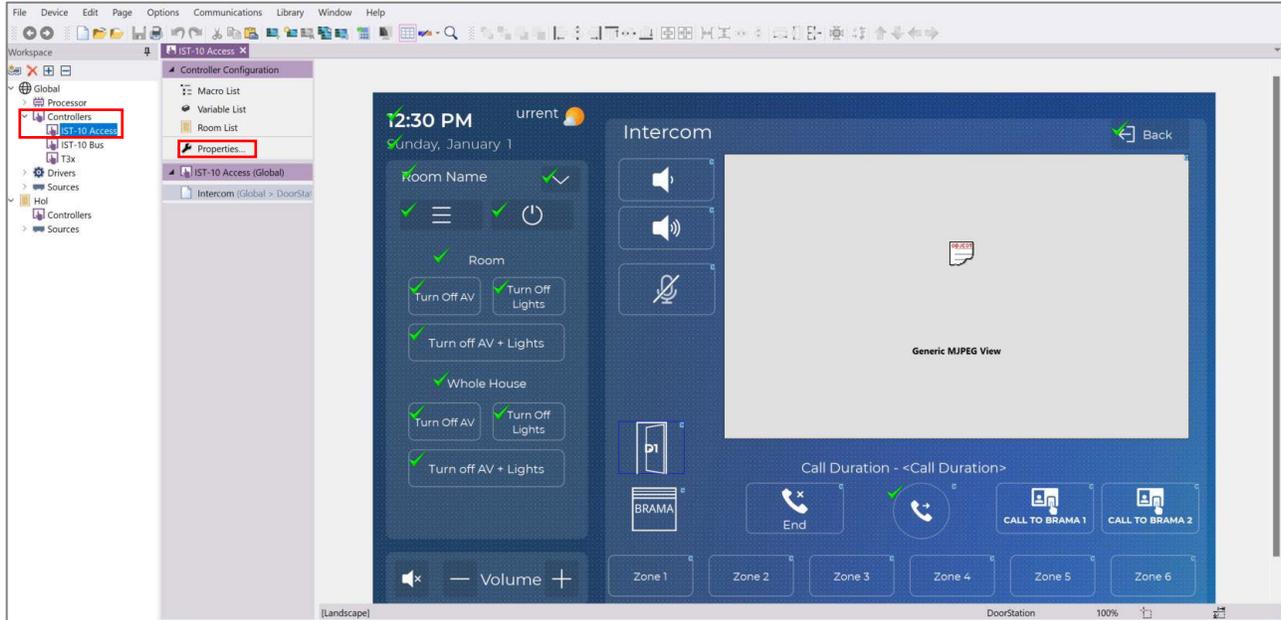


Choose Video URL from the “Switching and Controlling Functions” and click “Edit”. Set the video stream to MJPEG with 12 frames per second. The URL assigned to the doorbell station’s network adapter is needed when configuring the IST-10 – see section D “Generic MJPEG View”. Press “Apply”.



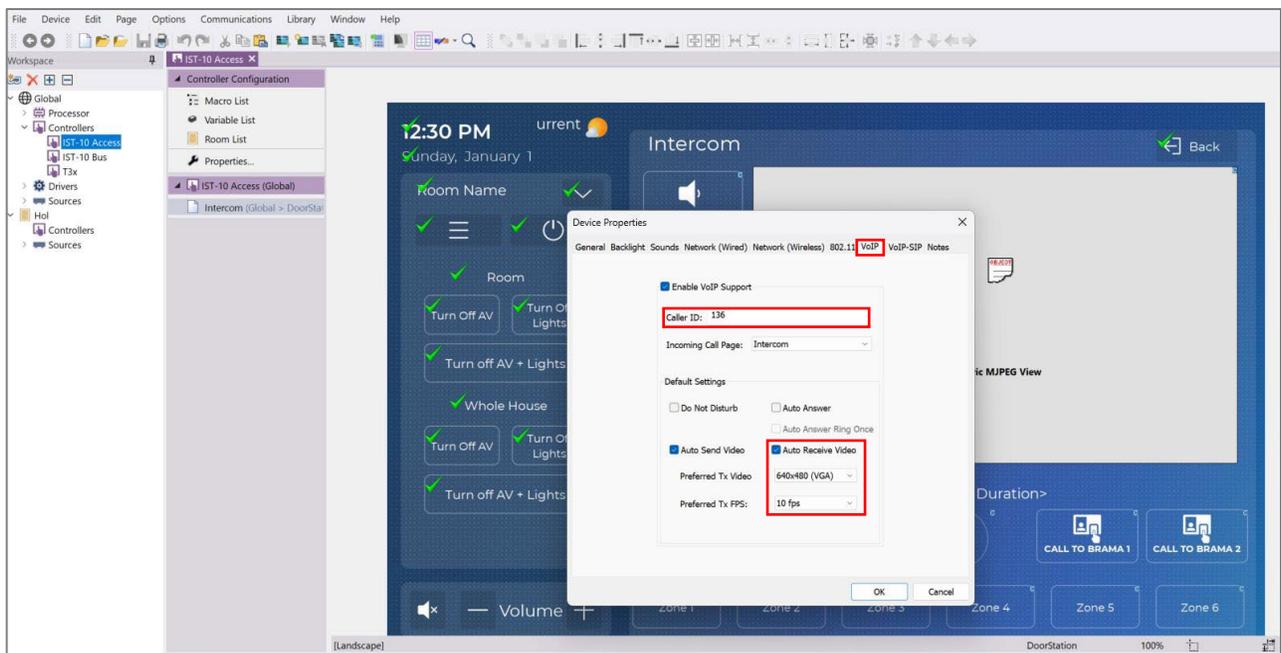
D. IST-10 Configuration

Add the IST-10 to the Controllers section in Integration Designer.

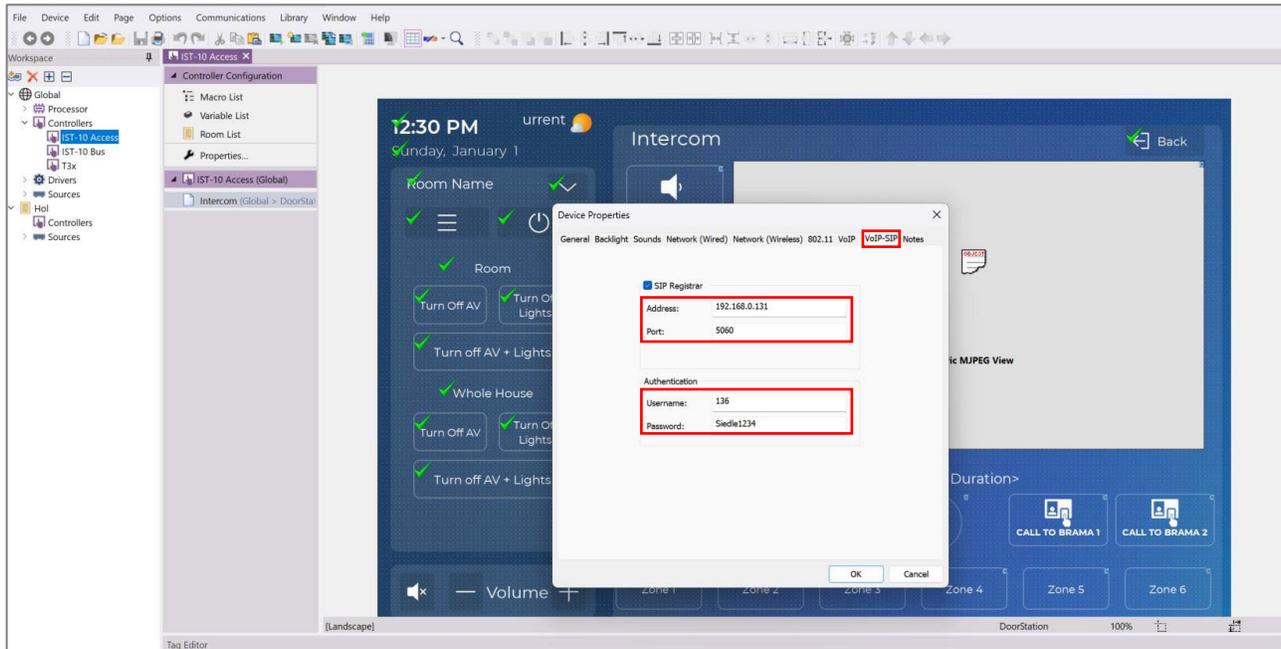


Open “Properties”. In the “VoIP” tab, enter the Call number from Siedle’s Access Professional software in the Caller ID field.

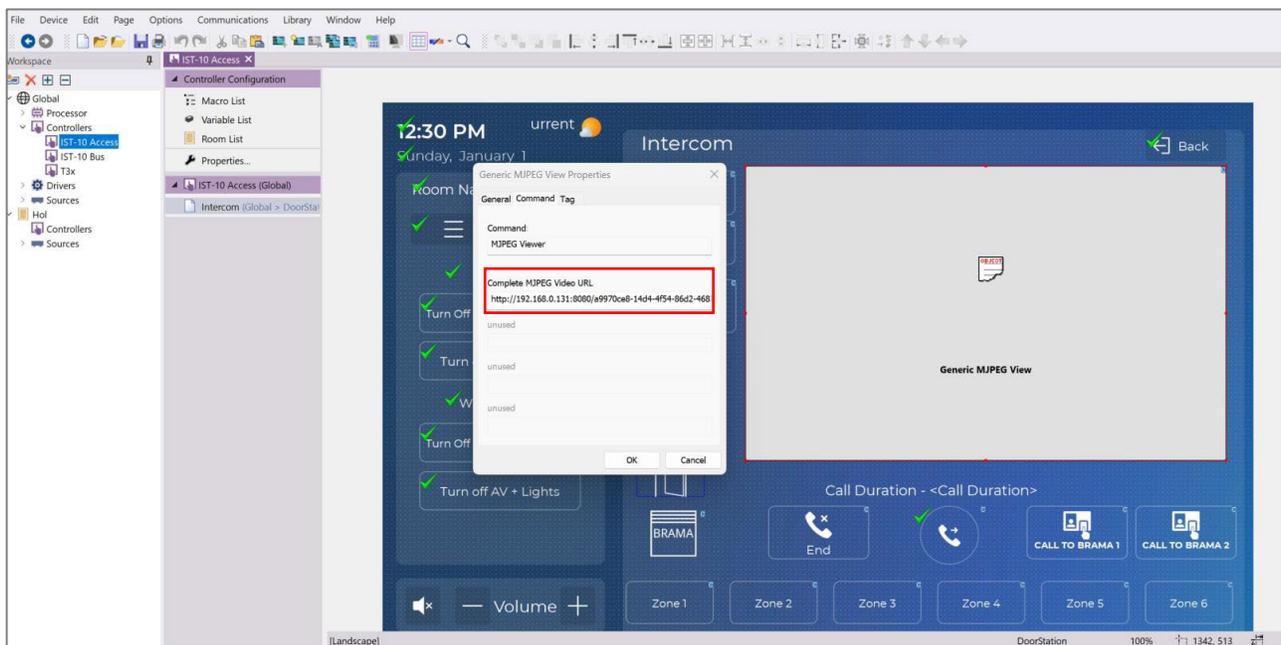
Select “Auto Send Video” and “Auto Receive Video” and choose “640*480 (VGA)” with “10 Frames per Second”. Press “OK” to confirm.



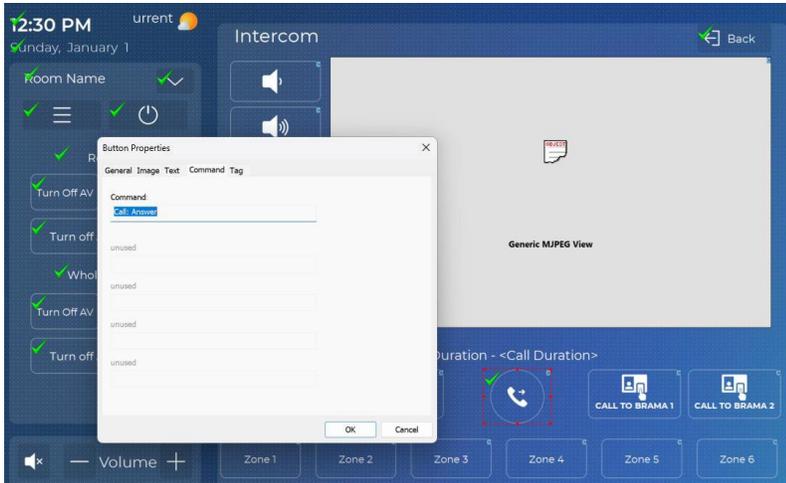
Switch to the “Voice-SIP” tab in the “Properties” window. Enter the IP address of the Access server in the “SIP Registrar” address field. Keep 5060 as the default port. Enter the Call number from the Access Professional software (see Siedle Access Configuration above) and the same password you’ve entered there. Click “Ok”.



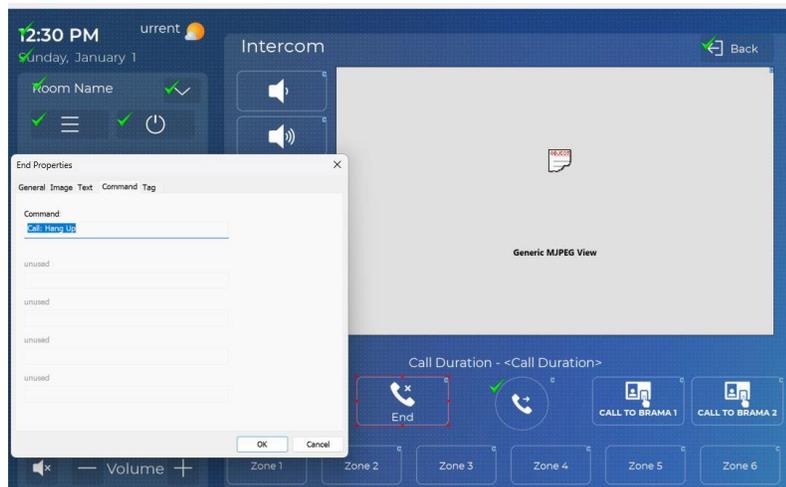
Open the Properties of the “Generic MJPEG View” and enter the URL assigned to the doorbell station’s network adapter - see Siedle Access Configuration above. Click “Ok”



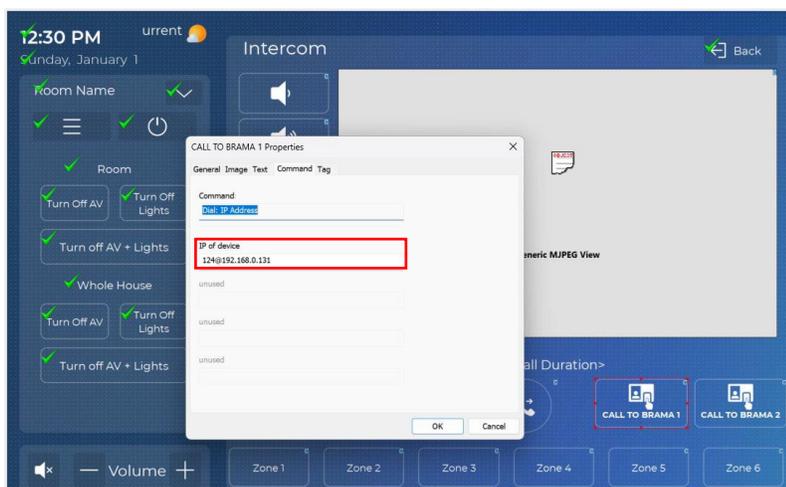
Add the correct commands in the properties of the call buttons:



Answer the doorbell:
Call: Answer



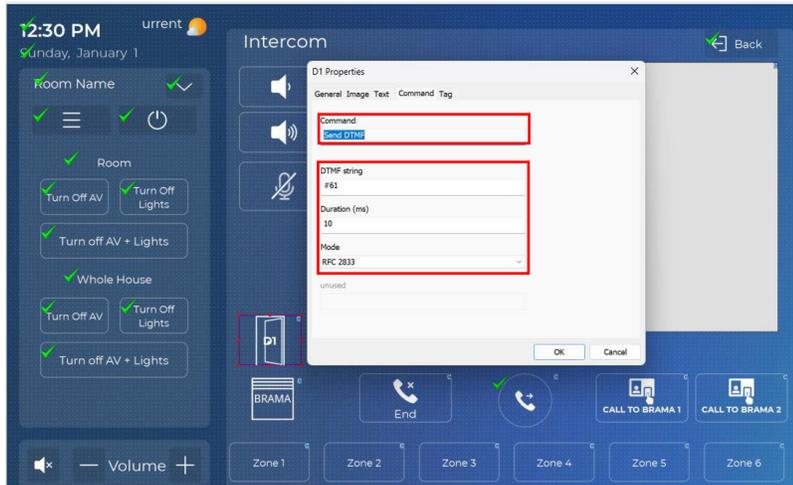
Hang up:
Call: Hang Up



To make a Call back to the doorbell station use the VoIP command: Dial IP Address

Enter the Call number from the Access Professional software, followed by @ and the Access Server's IP address.

Example: 136@192.168.0.131



For relay control, open the buttons' properties and enter the following:

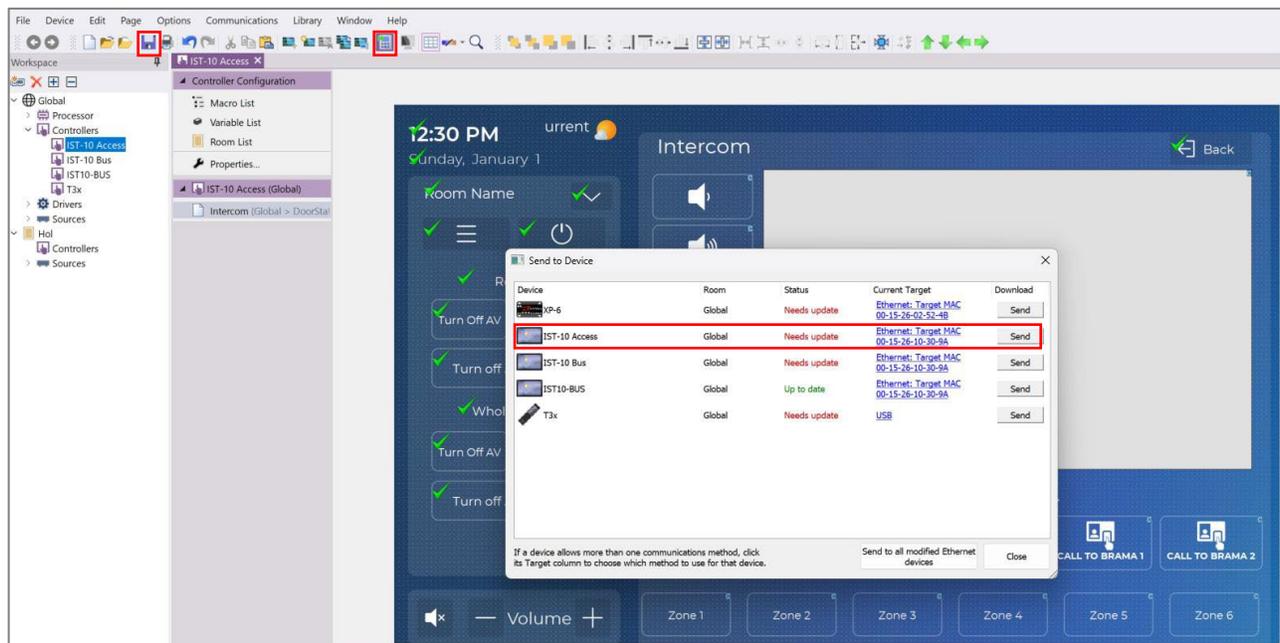
Command: Send DTMF

DTMF string for
Door Opener: #61
Lights #50

Duration: 10 ms

Mode: RFC 2833

Save the project in Integration Designer and send the program file to the IST-10 touchpanel.



If no doorbell call is active, the camera symbol on the IST-10 touchpanel is crossed out.

