



Manual
Zenitel Connect
LenelS2 OnGuard

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1 Introduction

1.1 Document Scope

This guide describes the installation and operation between Zenitel Connect and OnGuard.

1.2 Publication Log

Revision	Date	Author	Status
1.0	28.08.2023	HvD	New Document

1.3 Supported Zenitel devices

The devices in the list below can be used within a with OnGuard integrated Zenitel Connect system:

- Turbine TCIS-1/2/3/4/5/6/C1
- Turbine Video TCIV-2+/3+/5+/6+
- Turbine Mini Video TMIV-1+
- TKIS-1/2
- TKIV-+
- IP Flush Master – 10084xx000
- IP Desk Master – 100840xyyy
- ITSV-2
- ITSV-3
- ITSV-4
- ITSV-5
- TFIE-1/2
- TKIE-1/2/3
- TMIS-1/2/4
- TFIK-1/2/3/4
- TFIK-1/2/3-V2
- IP-speakers ELSIR-10CM, ELSII-10HM, ELSII-10LHM, ELSII-10WM, ELSII-10PM, ELSIR-10C and ELSII-10H
- Exigo Call Panels ECPIR

2 Installation and Configuration

It is assumed that the reader is familiar with Zenitel Connect and OnGuard and knows how to install and configure both systems for what can be considered 'standard operation', see paragraph 2.1.

There are a few capabilities available in the integrated system that require some special configuration. These are described in the rest of the chapter.

2.1 Prerequisites

- OnGuard 8.2 or newer installed and configured on a compatible Operating System.
- Zenitel Devices have been upgraded:
 - Zenitel devices to version 8.0.3.1 or later
 - Zenitel Connect version 1.0.0 or later
- Zenitel Connect with the to it connected devices have been configured and the system is working properly – directory numbers must be in the range 1-32767

2.2 Licensing

OnGuard requires the following license:

- Maximum Number of Intercom Exchanges (SWG-1340)

It is possible to connect multiple Zenitel Connect systems to OnGuard. This requires as many SWG-1340 licenses as the number of connected Zenitel Connect systems.

Zenitel Connect requires the following license from Zenitel for integration with OnGuard:

- 1002720900 – ZCL-API – ZC-Integration license

2.3 Installation

2.3.1 Install Accessory Add on

The Accessory Add on can be downloaded from the LenelS2 download area. It is listed as 'x.x Accessory Add-On for Zenitel Connect y.y.y with an msi installation file 'x.x Accessory Add-On for Zenitel Connect.msi'

Install 'x.x Accessory Add-On for Zenitel Connect.msi'

- x.x denotes the OnGuard version for which the Accessory Add-On is intended
- y.y.y denotes the version of the Add-On.

2.4 Zenitel Connect configuration

This paragraph only describes the configuration which is relevant for correct operation with OnGuard. It is assumed that devices have already been connected to Zenitel Connect and are operational in a basic way.

To configure Zenitel Connect:

- Log in into the Zenitel Connect web GUI; default credentials are – note that it is likely that these credentials have been changed during initial commissioning of the system:
 - Username: admin
 - Password: admin

2.4.1 Zenitel Link user

The Zenitel Connect API is called Zenitel Link. A user on Zenitel Link, for instance an integrating system like OnGuard is a Zenitel Link user. A Zenitel Link user must authenticate itself with username and password.

- In the Zenitel Connect web GUI, navigate to 'System -> Users'
- Click the +-sign and define a new user:
 - Username
 - Role: 'Zenitel Link User'
 - Password
- Click 'Save'

The add-on needs to know what these credentials are.

- Run the command line application 'ZL-OG-UserCredentials.exe' with as parameters the Zenitel Link User credentials:
 - ./ZL-OG-UserCredentials.exe username password

After installation of the add-on, this application can be found in:

- C:\ProgramData\Lnl\Zenitel

The username and password will be stored in an encrypted format. Run the application again to update the credentials if needed.

2.4.2 Call queues

The principle of the integration is based on Zenitel devices at doors, in elevators, help point and other locations set up a call to a call queue. These calls are then listed in Alarm Monitoring and optionally shown in a map as 'Call Queued'.

Alarm Description	Time/Date	Controller	Device	Intercom Station Called
Call Queued	14:46 13/09/2023	Zenitel Connect	Back door	Ctrl room

- In the Zenitel Connect web GUI, navigate to 'Features -> Call Queues'

- Click the +sign and define a call queue:

Once the queue has been defined, select it to assign operators to it:

2.4.3 Door opening

When an operator is in conversation with a door station and wants to open the door by pressing digit 6, Zenitel Connect should send a data event to OnGuard.

- In the Zenitel Connect web GUI, navigate to 'Devices and Connections -> Configuration'
- Select the device at the door and click 'Call settings'
- Select 'Door opening, only data event'
- Click 'Save'



2.4.4 Permission to open the door

Operators must have the correct permissions to open a door by pressing digit 6. There are 2 different permissions:

- Door Open Callee
The operator can only open the door if the call is originated from the door station
- Door Open Caller
The operator can only open the door when the call is originated from the operator

To assign the permissions:

- In the Zenitel Connect web GUI, navigate to 'Devices and Connections -> Permissions'
- In the section 'Call Services' click on the + sign and define a new 'Call service'
 - Name – for instance 'Operator'
 - Description
- Once defined, select the call service
- Add the 'Call Service Permissions' as a minimum:
 - Call To
 - Door Open Callee

Call Services		
Name*	Description	Actions
<input type="checkbox"/> Default	Default call permissions	
<input checked="" type="checkbox"/> Operator	Operator permissions	

Call Service Permissions - Operator					
Operation	Call Type	Related To	Allowed	Description	Actions
> <input type="checkbox"/> Call To	Any	-	✓		
> <input type="checkbox"/> Door Open Callee	Any	-	✓		
> <input type="checkbox"/> Door Open Caller	Any	-	✓		

Once the permissions have been defined, they need to be assigned to the operator intercom stations.

- In the Zenitel Connect web GUI, navigate to 'Devices and Connections -> Configuration'
- (Multi) - Select the operator devices and click 'Edit'
- Select 'Call Service' – 'Operator'
- Click 'Save'



Directory Number	Name*	Identify	Device Type
<input checked="" type="checkbox"/> 101	Ctrl room		CRM-V-2
<input type="checkbox"/> 102	Reception		ITSV-3
<input type="checkbox"/> 103	Back door		TCIS-6
<input type="checkbox"/> 104	Main entrance		TCIV-2+

Rows per page: 20 rows 1-4 of 4

Directory Number: 101
Name: Ctrl room
Location:
Call Service: Operator

Save

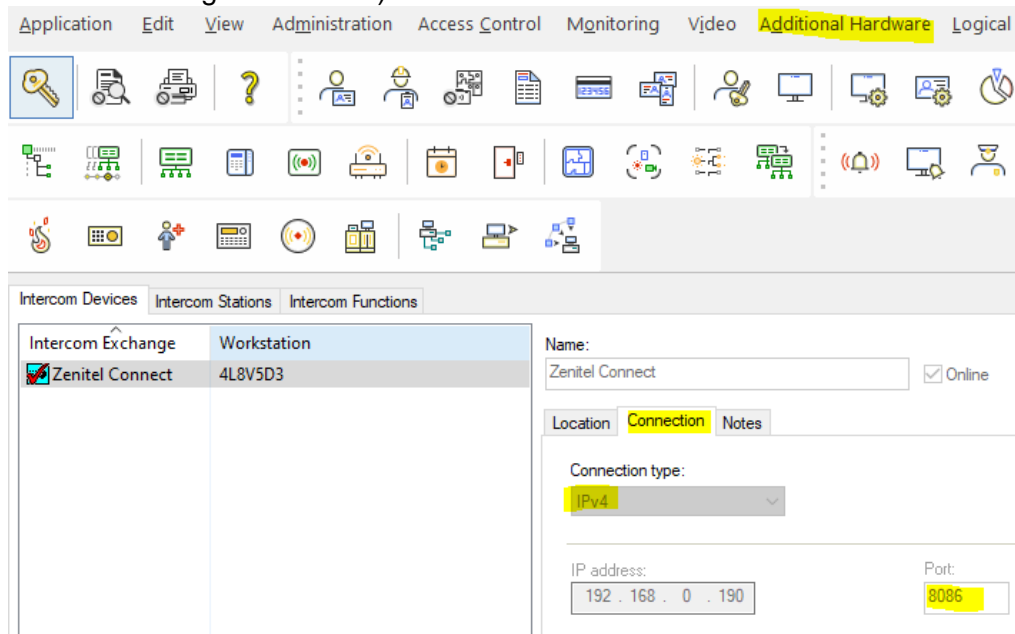
2.5 OnGuard configuration

2.5.1 Define Zenitel Connect

Under 'Additional Hardware', select 'Intercom Devices ...' to define Zenitel Connect, additional intercom stations and intercom functions.

Define the Zenitel Connect connection in the TAB 'Intercom Devices'

- Name: Enter an appropriate name, for instance "Zenitel Connect"
- Connection type IPv4
- IP-address: the IP address of Zenitel Connect
- Port: 8086 (The use of port 8086 is mandatory. Entering any other port number will cause the integration to fail.)



2.5.2 Define Intercom Stations

Define intercom stations in the TAB 'Intercom Stations':

- All physical intercom stations in the system

Define maps and place the intercom icons on those maps as appropriate.

2.5.3 Intercom functions

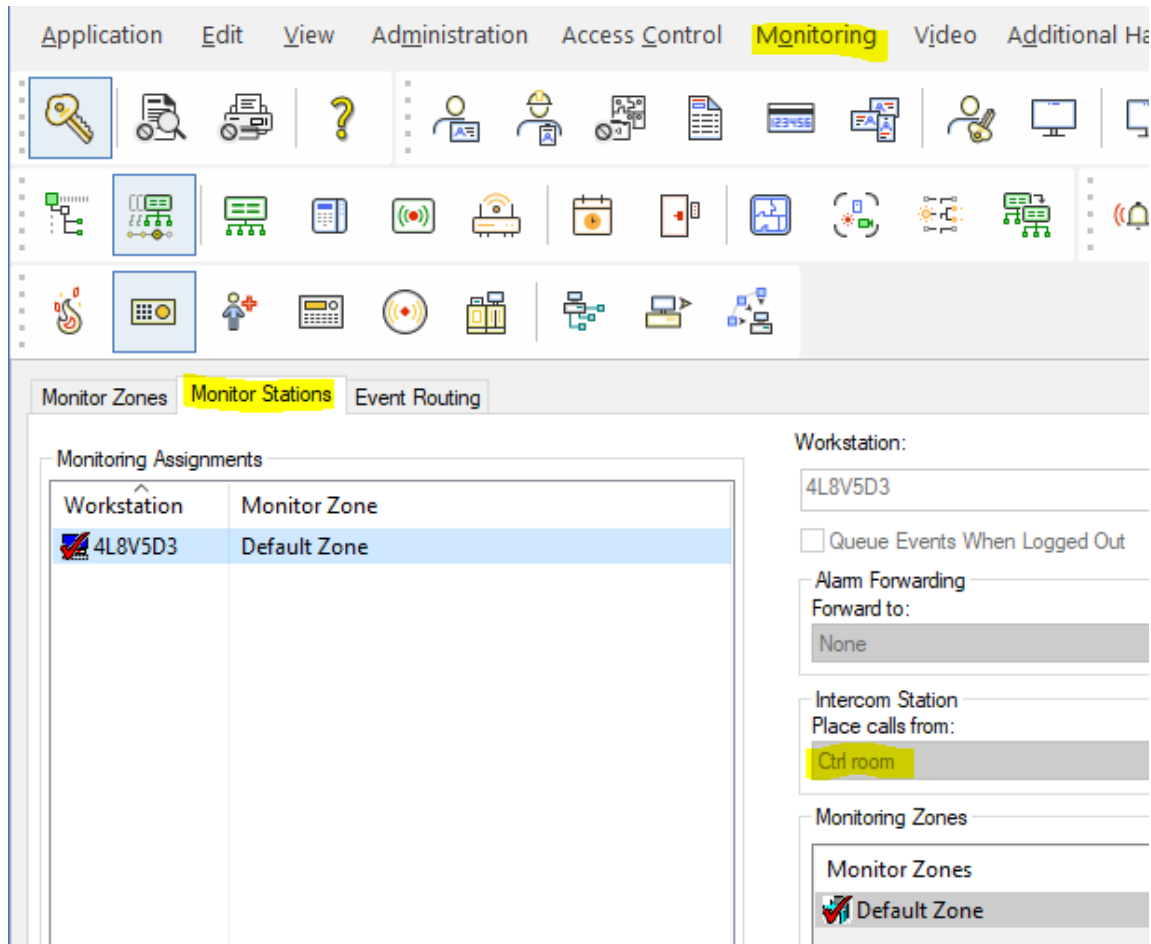
Define intercom functions in the TAB 'Intercom functions', see paragraph 2.5.5.

2.5.4 Default intercom station

To be able to use the function 'Call Intercom' from the Alarm Monitoring GUI, a default operator station for a zone must be defined.

- In System Administration, navigate to 'Monitoring/Monitoring Zones ...'
- Click Add
- Select a Monitoring Zone
- Under 'Intercom Station/Place calls from:' select an intercom station from the drop down list
- Click OK

Intercom stations must already have been defined in System Administration.



2.5.5 Door opening

When a guard is in conversation with a Zenitel device at a door, it is possible to open the related door by pressing digit 6 on the intercom keypad. This is an operation with which many people are familiar, as it is the standard relay-trigger command for Zenitel systems. Normally such an action would operate a relay inside a Zenitel device to directly operate the door lock.

When Zenitel Connect is integrated with OnGuard, pressing digit 6 should not operate a relay on the Zenitel device, but rather send a data command to OnGuard, which can then be used by Global I/O to operate the door lock.

Zenitel devices must be set up as 'door opening, only data event'.

In OnGuard, define an Intercom Function as following:

- Description: Door opening
- Parameter: 6

In Global I/O, define the door station as the station that sends digit 6, not the operator station. This is so that in Global I/O the door station (input event) can be associated with a door (output action).

3 Operation

3.1 Commands from the GUI

Users can execute the following commands (Intercom Right-click Options):

- Place call: displays a dialog box where you enter the station number you are calling to. Zenitel Connect does not use the priority setting, it will be ignored
- Cancel Call: cancels the intercom call
- Call Intercom: places a call using the default intercom station for the zone, see paragraph 2.5.4

3.2 Visualization

In Alarm Monitoring, the following messages are displayed related to intercom station status changes:

- Call Established – parameters: Originating station and called station
- Call Disconnected – parameters: Originating station and called station
- Call to a Private Subscriber – parameters: Originating station and called station
- Call to a Busy Subscriber – parameters: Originating station and called station
- Call Queued – parameters: Originating station and called station
- Intercom Function; followed by the defined intercom function

In Alarm Monitoring, the following messages are displayed related to intercom system error messages:

- Intercom Exchange Failure – Intercom Error
- Intercom Exchange Failure – Intercom OK
- Zenitel Connect is down
- Zenitel Connect is up

3.3 Global I/O

In 'Intercom Function', it is possible to define the following sub-events:

- Open door

Through the linkage server, it is possible to link an event in Zenitel Connect to an action in OnGuard:

- During a call between an operator and a caller at a door station, the operator presses digit '6' on the keypad
- The resulting event in OnGuard will trigger an action: Pulse Door Unlock

3.4 OnGuard Maps

All intercom devices that exist in OnGuard Alarm Monitoring can be placed on a map where they can be monitored.

Note: For more information on associating devices with maps, refer to the MapDesigner User Guide that can be provided by LenelS2.

Icons in maps have the following appearances depending on intercom station statuses:

- Idle

-
- Busy
 - InQueue
 - Connected: Station is in a conversation with another station
 - LineError: A line error to the station has been detected
 - Offline: The station is off line; The state is shown when the Communication Server is not running, all station icons will show the Offline state

4 General information

4.1 Default username/password

Zenitel Connect web interface credentials are by default admin/admin for username/password. It is strongly advised to change this on first login and to define additional users. Note paragraph related to the required Zenitel Link user.

4.2 Firewall

Zenitel Connect communicates with OnGuard on ports 443 and 8086. These ports are open by default. In case of connection problems, it should be checked whether these ports are not inadvertently closed.

4.3 Limitations

OnGuard defines intercom directory numbers as integers; the supported range in the OnGuard-Zenitel Connect integration is 1-32767. Directory numbers with a leading '0' shall not be used.



The WEEE Directive does not legislate that Zenitel, as a 'producer', shall collect 'end of life' WEEE.

This 'end of life' WEEE should be recycled appropriately by the owner who should use proper treatment and recycling measures. It should not be disposed to landfill.

Many electrical items that we throw away can be repaired or recycled. Recycling items helps to save our natural finite resources and also reduces the environmental and health risks associated with sending electrical goods to landfill.



Under the WEEE Regulations, all new electrical goods should now be marked with the crossed-out wheeled bin symbol shown.

Goods are marked with this symbol to show that they were produced after 13th August 2005, and should be disposed of separately from normal household waste so that they can be recycled.