

# 2N Helios integrációja iNELS BUS rendszerbe

## Connection server beállítások

1. Lépünk be a serverbe az intercom konfigurációs felületre, a server IP címe itt 192.168.1.23

### iMM Control Center / Intercoms configuration

ver. connection-server-3.247

Server Configuration System HA Bus RF Configuration Zones House SecurityScan EventScript A/C Rooms Cameras Miele Intercoms

#### 2N settings

Username:  Password:  Lock code:

#### New intercom account

Contact name:  Account:  Secret:  Stream:

#### Update asterisk settings

#### Intercom accounts

Contact name	Account	Secret	Stream
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2. Amennyiben a gyári alapértelmezett autentikációs adatokat használjuk a 2N helios eszköz esetén, akkor a 2N settings-hez adjuk meg azokat (user: admin password:2n), lock code legyen 1.

Hozzuk létre a felhasználói fiókokat, amelyeket használni fogunk a kaputelefonnal:

#### 2N settings

Username:  Password:  Lock code:

#### New intercom account

Contact name:  Account:  Secret:  Stream:

#### Update asterisk settings

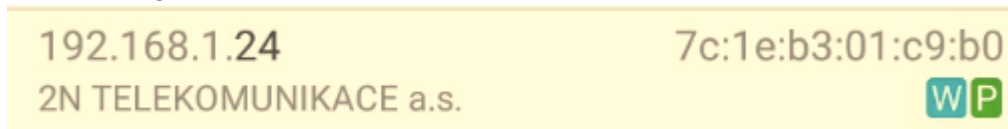
#### Intercom accounts

Contact name	Account	Secret	Stream	
intercom	intercom	asdf	rtsp://192.168.1.24	<input type="button" value="Remove"/> <input type="button" value="Get 2n config file"/>
tablet	tablet	asdf		<input type="button" value="Remove"/> <input type="button" value="Get 2n config file"/>
phone	phone	asdf		<input type="button" value="Remove"/> <input type="button" value="Get 2n config file"/>


Ezután az Apply settings gombra kattintva mentjük el a beállításokat.

## 2N helios beállítások

1. keressük meg a hálózaton az eszközt



2. Lépünk be a konfiguráló felületére



### Az Ön kapcsolata nem privát

A támadók megpróbálhatják ellopni adatait (például jelszavakat, üzeneteket vagy hitelkártyaszámokat) innen: **192.168.1.24**. NET::ERR\_CERT\_AUTHORITY\_INVALID

A lehetséges biztonsági események adatainak [automatikus jelentése](#) a Google-nak. [Adatvédelmi irányelvek](#)


[SPECIÁLIS BEÁLLÍTÁSOK ELREJTÉSE](#) [Vissza a biztonsághoz](#)

A szerver nem tudta bizonyítani, hogy valóban a(z) **192.168.1.24** domainbe tartozik; biztonsági tanúsítványa a számítógép operációs rendszere szerint nem megbízható. Ennek oka lehet konfigurációs hiba, vagy hogy támadó térítette el az Ön kapcsolódását. [További információ.](#)








[Tovább a\(z\) 192.168.1.24 webhelyre \(nem biztonságos\)](#) ←

A gyári alapértelmezett felhasználónév: admin illetve jelszó:2n

3. Beállíthatjuk a végleges IP címét, amennyiben DHCP-n volt az eszköz



**System**

-  Network >
-  Date & Time
-  Licence
-  Certificates
-  Auto Provisioning
-  Syslog
-  Maintenance

Basic
802.1x
Trace

Use DHCP Server

Manual Settings ▾


Static IP Address	<input type="text" value="192.168.1.24"/>
Network Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.1.2"/>
Primary DNS	<input type="text"/>
Secondary DNS	<input type="text"/>

VLAN Settings ▾








VLAN Enabled	<input type="checkbox"/>
VLAN ID	<input type="text" value="1"/>

LAN Port Settings >

#### 4. Illetve a dátum és időpontositást



**System**

-  Network
-  Date & Time >
-  Licence
-  Certificates
-  Auto Provisioning
-  Syslog
-  Maintenance

Current Time ▾

Current Device Time **05/30/2017 13:39:39**

Synchronise with browser

Time Zone ▾

Time Zone	<input type="text" value="(UTC+01:00) Europe/Budapest"/>
Time Zone Rule	<input type="text" value="UTC0"/>

NTP Server ▾

Use NTP Server	<input checked="" type="checkbox"/>
NTP Server Address	<input type="text" value="time.nist.gov"/>
NTP Time Status	<b>Not synchronized</b>

## 5. Írjuk be a licenc kódot

The screenshot shows the 'System' menu on the left with 'Licence' selected. The main content area is titled 'Licence Settings' and contains the following information:

- Serial Number: **54-1305-8318**
- Licence Key:
- Licence Key Valid: **NO**

Below this, the 'Licence Status' section lists the following features and their status:

- Enhanced Security: **YES**
- Enhanced Audio: **YES**
- Enhanced Video: **YES**
- Enhanced Integration: **YES**
- NFC Support: **YES**
- G.729 Support: **NO**
- Informacast Support: **NO**

## 6. Aktiválás után ellenőrizzük le a funkciókat

The screenshot shows the 'Status' menu on the left with 'Licence' selected. The main content area is titled 'Licensed Features' and lists the following features and their status:

- Automatic Updates: **YES**
- RTSP Server: **YES**
- G.729 Codec: **NO**
- Advanced Switch Settings: **YES**
- User Sounds: **YES**
- HTTP API: **YES**
- SMTP Service: **YES**
- 802.1x Authentication: **YES**
- Automation: **YES**
- Audio Test: **YES**
- SIPS Protocol: **YES**
- Camera PTZ Functions: **YES**
- InformaCast Service: **NO**
- FTP client: **YES**
- Motion Detection: **YES**
- NFC Support: **YES**
- SNMP Support: **YES**
- Noise Detection: **YES**
- TR069: **YES**

## 7. Állítsuk be a services menüpont belüli paramétereit

The screenshot shows the 'Services' configuration page for 'SIP 1'. The left sidebar contains a navigation menu with icons for Phone, Streaming, Onvif, E-Mail, Automation, HTTP API, User Sounds, Web Server, Audio Test, and SNMP. The main content area is divided into several sections:

- Intercom Identity**:
  - Display Name: intercom
  - Phone Number (ID): intercom
  - Domain: 192.168.1.23
  - Test Call button
- Authentication**:
  - Use Authentication ID:
  - Authentication ID: intercom
  - Password: [masked] (with a yellow box around the text 'asdf' below it)
- SIP Proxy**:
  - Proxy Address: 192.168.1.23
  - Proxy Port: 5060
- SIP Registrar**:
  - Registration Enabled:
  - Registrar Address: 192.168.1.23
  - Registrar Port: 5060
  - Registration Expires: 120 [s]

Az autentikációs rész megegyezik a connection server 2N settings autentikációs részével.

Ezután az apply gombra kattintva győződjünk meg a sikeres regisztrációról:

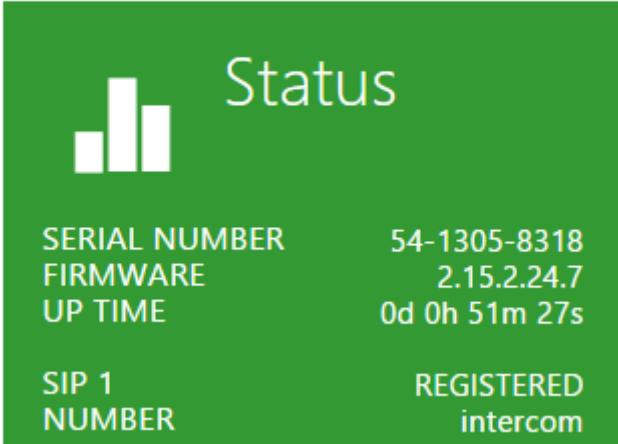
The screenshot shows the 'SIP Registrar' configuration page. The settings are as follows:

- Registration Enabled:
- Registrar Address: 192.168.1.23
- Registrar Port: 5060
- Registration Expires: 120 [s]
- Registration State: **REGISTERED**

An 'Apply' button is visible in the bottom right corner.

Illetve itt is:

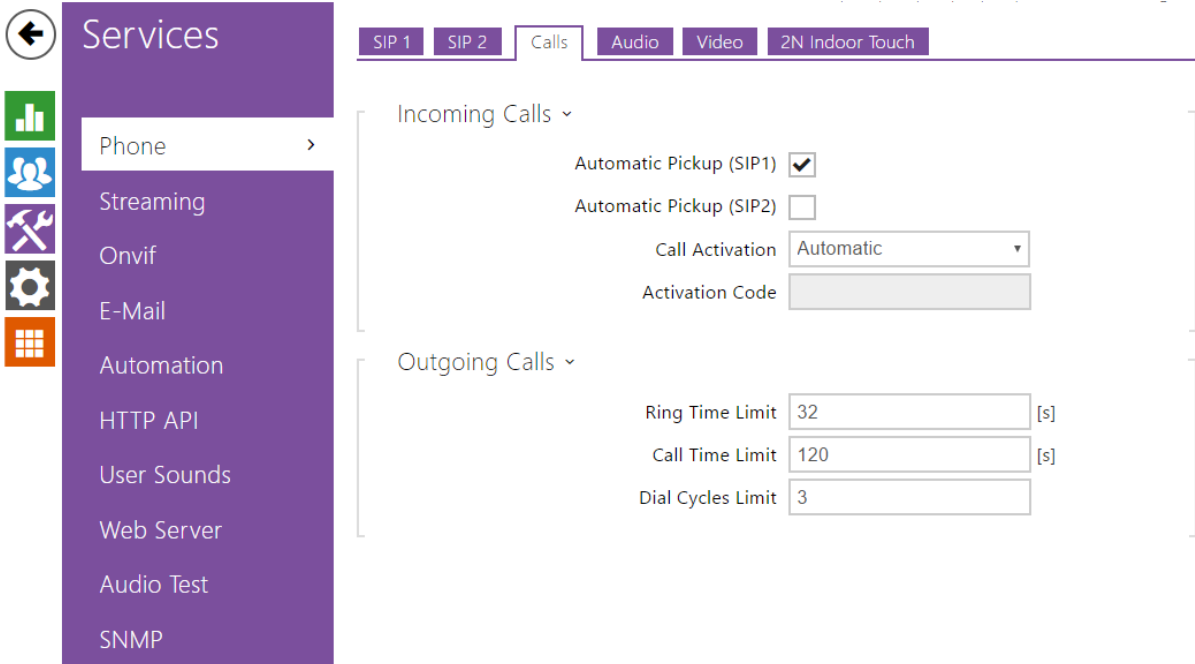
## Device Status



**Status**

SERIAL NUMBER	54-1305-8318
FIRMWARE	2.15.2.24.7
UP TIME	0d 0h 51m 27s
SIP 1 NUMBER	REGISTERED intercom

8. Az SIP2-öt nem használjuk:



**Services**

- Phone
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

SIP 1 SIP 2 Calls Audio Video 2N Indoor Touch

**Incoming Calls**

- Automatic Pickup (SIP1)
- Automatic Pickup (SIP2)
- Call Activation: Automatic
- Activation Code: [Empty]

**Outgoing Calls**

- Ring Time Limit: 32 [s]
- Call Time Limit: 120 [s]
- Dial Cycles Limit: 3

## 9. Audio

Services

- Phone >
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

SIP 1 SIP 2 Calls Audio Video 2N Indoor Touch

### Audio Codecs

CODEC	ENABLED	PRIORITY
PCMU	<input checked="" type="checkbox"/>	2
PCMA	<input checked="" type="checkbox"/>	3
L16/16kHz	<input type="checkbox"/>	4
G.729	<input type="checkbox"/>	5 (lowest)
G.722	<input checked="" type="checkbox"/>	1 (highest)

### DTMF Sending

Sending Mode:

In-Band (Audio)

RTP (RFC-2833)

SIP INFO (RFC-2976)

### DTMF Receiving

In-Band (Audio)

RTP (RFC-2833)

SIP INFO (RFC-2976)

## 10. Video

Services

- Phone >
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

SIP 1 SIP 2 Calls Audio Video 2N Indoor Touch

### Video Codecs

CODEC	ENABLED	PRIORITY
H.264	<input checked="" type="checkbox"/>	3
H.263+	<input checked="" type="checkbox"/>	3
H.263	<input checked="" type="checkbox"/>	3

### H.264 Video Parameters

Video Resolution:

Video Framerate:

Video Bitrate:

### H.263 Video Parameters

Video Resolution:

Video Framerate:

Video Bitrate:

**Services**

SIP 1 SIP 2 Calls Audio Video 2N Indoor Touch

- Phone
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

General Settings

Access Key

Video Parameters

Video Resolution

Video Framerate

Video Quality

Multicast group

Connected Devices

Number of Registered Devices **0**

Number of Listening/Watching Devices **0**

Show List of Registered Devices **Show**

## 11. Stream beállítás

**Services**

RTSP JPEG Multicast InformaCast FTP

- Phone
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

RTSP Server Enabled

Streams Settings

Audio Stream Enabled

Video Stream Enabled

Video Codec

H.264 Video Parameters

Video Resolution

Video Framerate

Video Bitrate

MPEG4 Video Parameters

Video Resolution

Video Framerate

Video Bitrate

MJPEG Video Parameters

Video Resolution

Video Framerate

Video Quality



Services

- Phone
- Streaming >
- Onvif
- E-Mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

RTSP | **JPEG** | Multicast | InformaCast | FTP

JPEG Snapshots Download ▾

JPEG Compression Level: 85

SNOM Phone Support ▾

JPEG Video Activated by Call:

JPEG Video Frame Rate: 5 fps

12. http API beállítás, ezáltal látja az iHC app a kamera képét illetve kommunikál

Services

- Phone
- Streaming
- Onvif
- E-Mail
- Automation
- HTTP API >**
- User Sounds
- Web Server
- Audio Test
- SNMP

Services | Account 1 | Account 2 | Account 3 | Account 4 | Account 5

HTTP API Services ▾

SERVICE	ENABLED	CONNECTION TYPE	AUTHENTICATION
System API	<input checked="" type="checkbox"/>	Unsecure (TCP)	None
Switch API	<input checked="" type="checkbox"/>	Unsecure (TCP)	None
I/O API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Audio API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Camera API	<input checked="" type="checkbox"/>	Unsecure (TCP)	None
E-mail API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Phone/Call API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Logging API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest

### 13. Felhasználók beállítása a kaputelefonon is

The screenshot shows a web interface for configuring users in a directory. On the left is a blue navigation sidebar with icons for Users, Time Profiles, Holidays, and other settings. The main content area is titled 'Directory' and shows a list of users with '2' selected. Below the list, there are configuration sections for 'User Basic Information' and 'User Phone Numbers'. The 'User Basic Information' section includes fields for Name (filled with 'tablet'), E-Mail, Virtual Number, and Authentication Mode (set to 'Simple'). The 'User Phone Numbers' section has three entries: 'Number 1' with Phone Number 'sip:tablet@192.168.1.23', Time Profile '[not used]', and Helios IP Eye Address; 'Number 2' with empty fields; and 'Number 3' with an empty Phone Number field. An 'Apply' button is located at the bottom right.

Directory

« < 1 2 3 4 5 6 7 8 9 10 > » Number → 🔍

Position Enabled

User Basic Information ▾

Name

E-Mail

Virtual Number

Authentication Mode

User Phone Numbers ▾

Number 1

Phone Number

Time Profile

Helios IP Eye Address

Parallel call to following number

Number 2

Phone Number

Time Profile

Helios IP Eye Address

Parallel call to following number

Number 3

Phone Number

Apply

Legyen követelmény az, hogy a kaputelefon gombjáról egyszerre hívja a phone és a tablet készüléket amikor csöngetnek:

Directory

Users >

Time Profiles

Holidays

Position Enabled

User Basic Information

Name phone

E-Mail

Virtual Number

Authentication Mode Simple

User Phone Numbers

Number 1

Phone Number sip:phone@192.168.1.23

Time Profile [not used]

Helios IP Eye Address

Parallel call to following number

Number 2

Phone Number sip:tablet@192.168.1.23

Time Profile [not used]

Helios IP Eye Address

Parallel call to following number

Number 3

Phone Number

Apply

## 14. Hardver beállítások

A lock code ugyanaz mint a connection serveren beállított ( 1).

Csak a switch1 –et használjuk.

Hardware

Switch 1 Switch 2 Switch 3 Switch 4 Advanced

Switch Enabled

Basic Settings ▾

Switch Mode Monostable ▾

Switch-On Duration 5 [s]

Time Profile [not used] ▾

Distinguish on/off codes

Output Settings ▾

Controlled Output Relay 1 ▾

Output Type Normal ▾

Switch Codes ▾

	CODE	ACCESSIBILITY	TIME PROFILE
1	1	Keypad, DTMF ▾	[not used] ▾
2		Keypad, DTMF ▾	[not used] ▾

Extended Activation ▸

State Signalling ▸

Apply

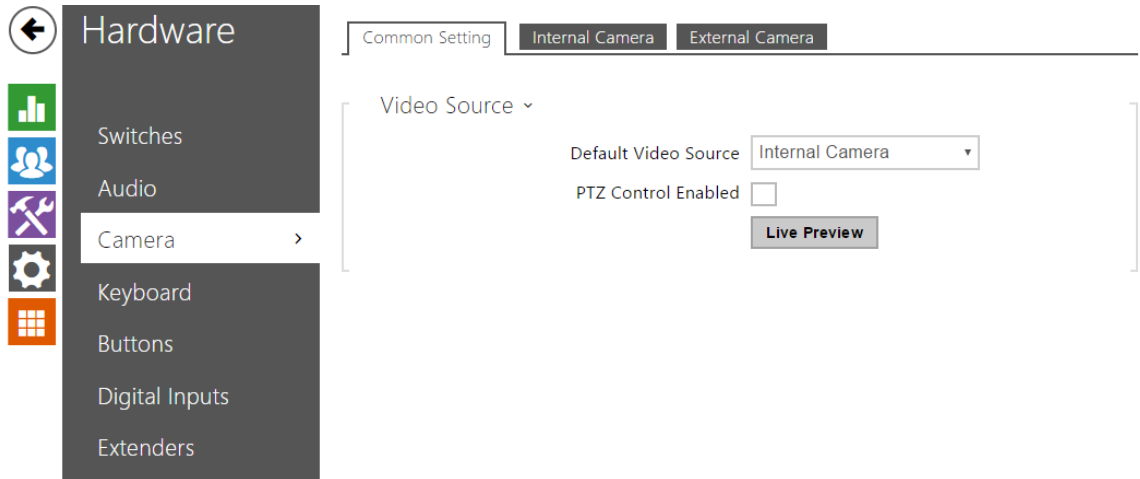
Hardware

Switch 1 Switch 2 Switch 3 Switch 4 Advanced

Advanced Settings ▾

Legacy Switch Code

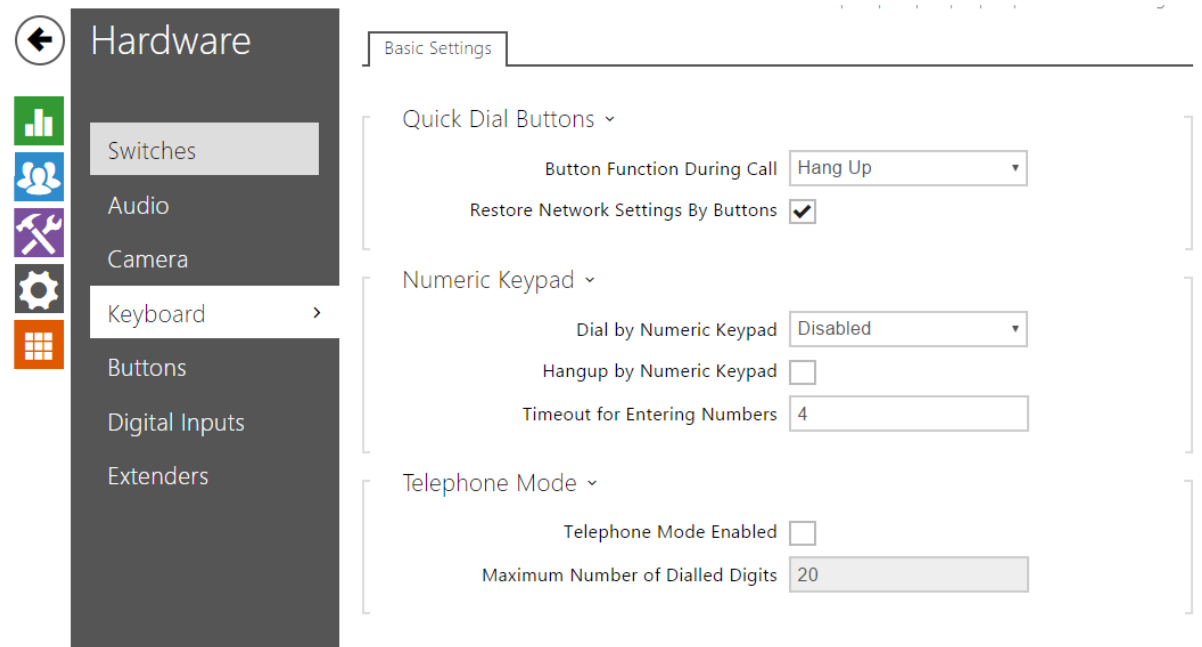
## 15. A beépített kamerát használjuk



The screenshot shows the 'Hardware' settings page with the 'Camera' option selected in the left-hand menu. The main content area is titled 'Internal Camera' and contains the following settings:

- Video Source** (expanded):
  - Default Video Source: Internal Camera (dropdown menu)
  - PTZ Control Enabled:
  - Live Preview:


## 16. Billentyűzet








The screenshot shows the 'Hardware' settings page with the 'Keyboard' option selected in the left-hand menu. The main content area is titled 'Basic Settings' and contains the following settings:

- Quick Dial Buttons** (expanded):
  - Button Function During Call: Hang Up (dropdown menu)
  - Restore Network Settings By Buttons:
- Numeric Keypad** (expanded):
  - Dial by Numeric Keypad: Disabled (dropdown menu)
  - Hangup by Numeric Keypad:
  - Timeout for Entering Numbers: 4 (text input)
- Telephone Mode** (expanded):
  - Telephone Mode Enabled:
  - Maximum Number of Dialed Digits: 20 (text input)

## 17. Válasszuk ki a hívógomb által hívott készüléket

 **Hardware**

-  Switches
-  Audio
-  Camera
-  Keyboard
-  **Buttons** >
- Digital Inputs
- Extenders


**Bulk Edit Commands** ▾

Reset buttons to default

Clear buttons assignment

**Quick Dial Buttons** ▾

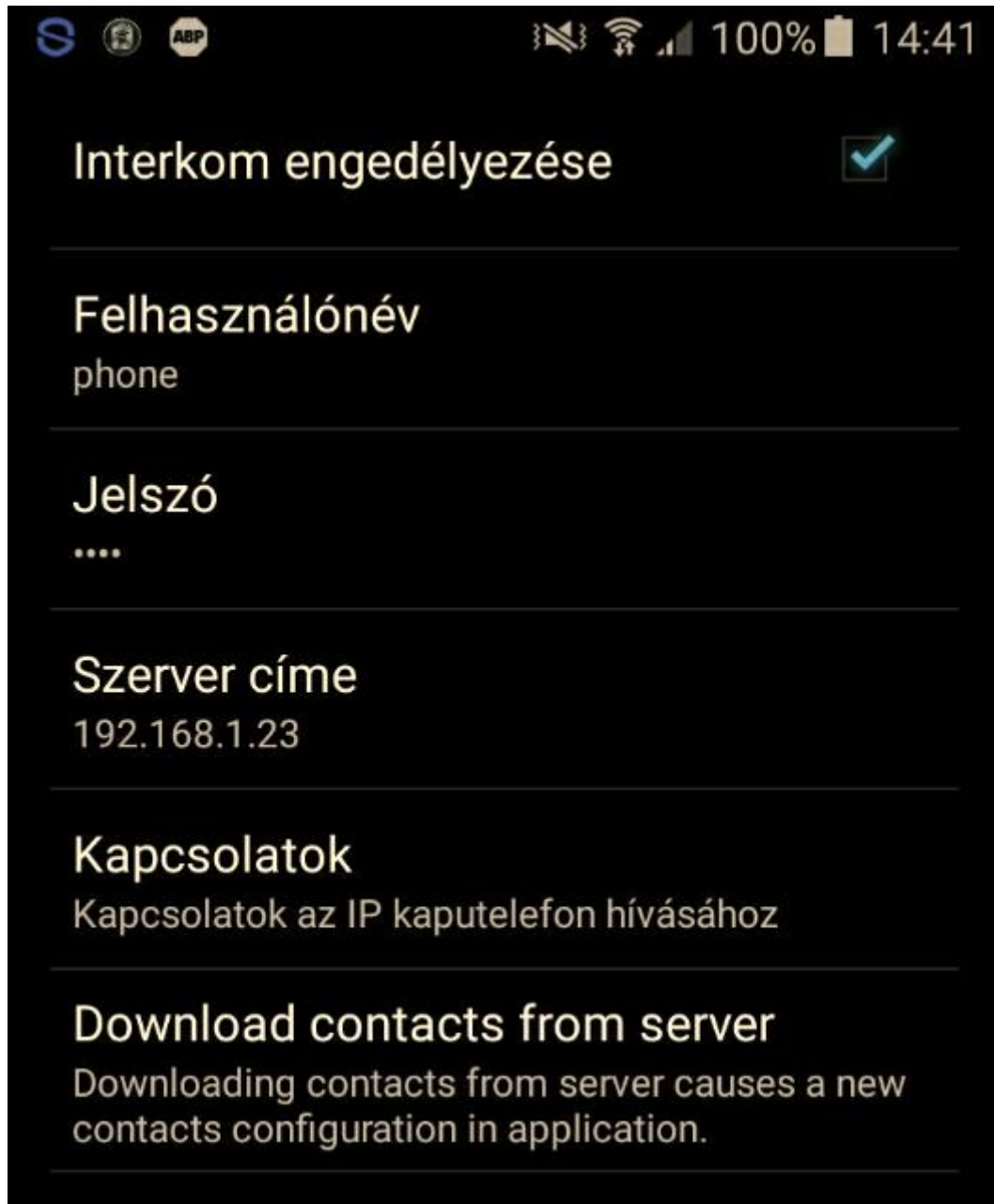
Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Main Unit Buttons	1 - phone															
Buttons 2 - 6	2															
	3	3 -														
	4	4 -														
	5	5 -														
	6	6 -														
Buttons 7 - 11	7	7 -														
	8	8 -														
	9	9 -														
	10	10 -														
	11	11 -														
Buttons 12 - 16	12	12 -														
	13	13 -														
	14	14 -														
	15	15 -														
	16	16 -														

 Apply

iHC-MA appon történő beállítás:

A telefon mint készülék a connection server által phone azonosítóval lesz kezelve.

Felhasználónév: phone jelszó:asdf



Ezután mentés, végül a kapcsolatok letöltése a szerverről.



A tablet mint készülék pedig tablet azonosítóval. A beállítás menete tableten hasonló mint telefonon, csupán a felhasználónév különböző.

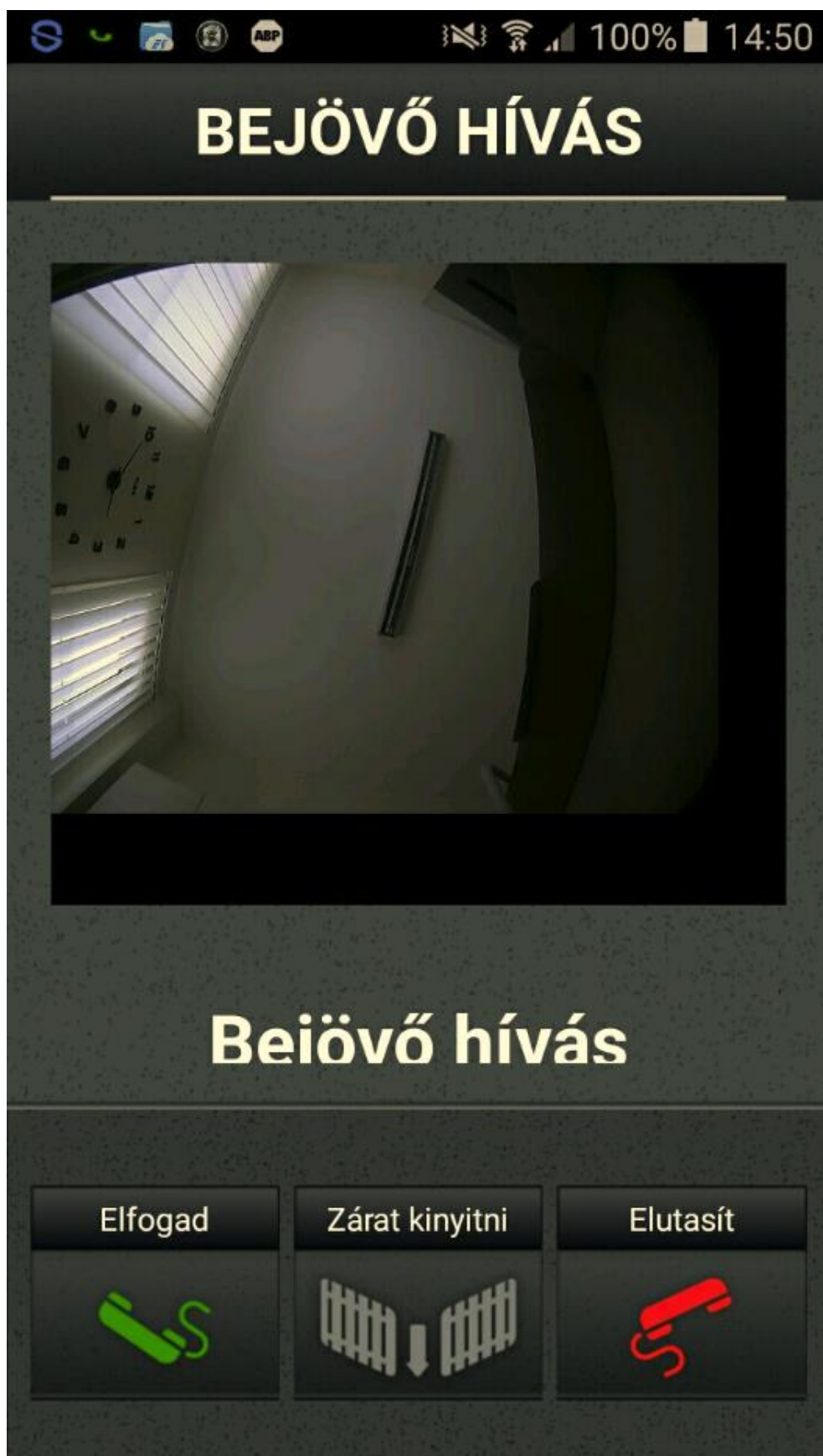
A háttérben futó android app esetén hibátlanul működik, i-phone esetén csak előtérben futó app esetén jelez.



Teszteljük le a kimenő hívást:



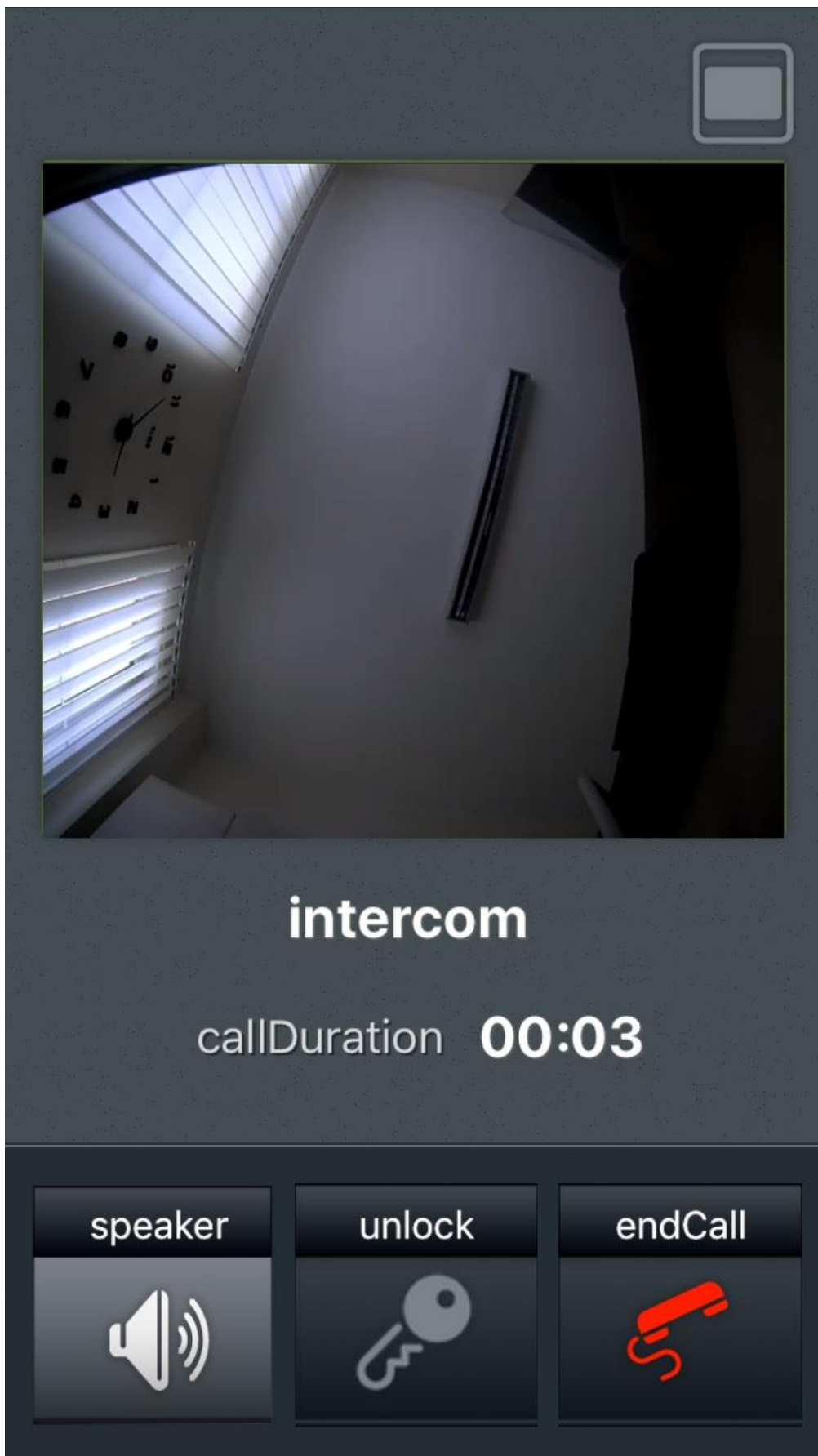
Illetve a bejövő hívást a kaputelefonról:



iPhone teszt bejövő hívás:



iPhone teszt Video hívás:



iPhone teszt teljes képernyő:

