# Ness Smartbell IP Intercom
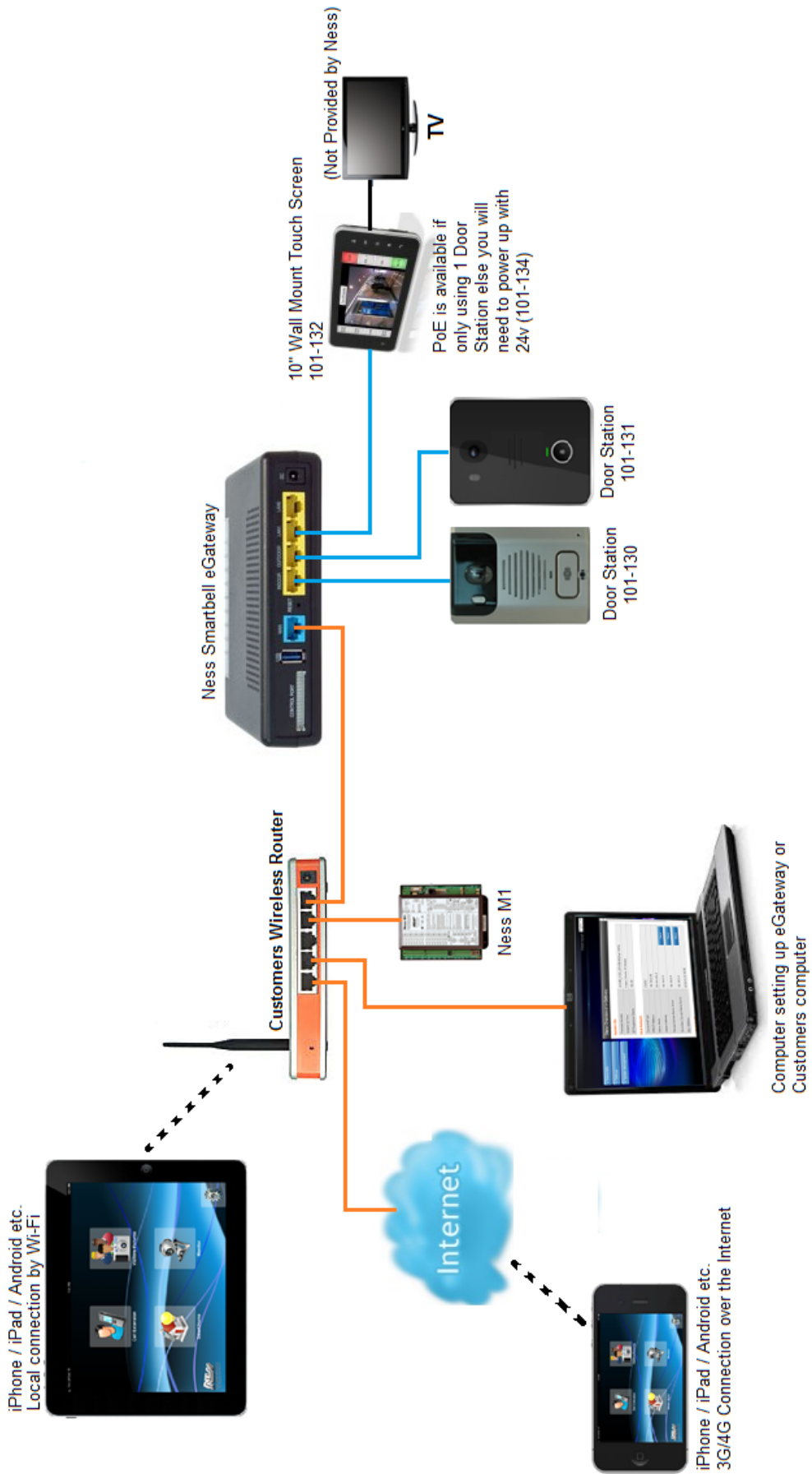
## Turn your iPhone/Smart phone/Tablet into Video & Audio Intercom

# Quick Start Guide

# System Diagram



TV (Not Provided by Ness)

10" Wall Mount Touch Screen 101-132

PoE is available if only using 1 Door Station else you will need to power up with 24v (101-134)

Door Station 101-131

Door Station 101-130

Ness Smartbell eGateway

Customers Wireless Router

Ness M1

Computer setting up eGateway or Customers computer

Internet

iPhone / iPad / Android etc. Local connection by Wi-Fi

iPhone / iPad / Android etc. 3G/4G Connection over the Internet

# Setting up the eGateway for the first time

1. Direct connect your computer to LAN1 on the eGateway.



2. By default the LAN IP address of the eGateway is set to 192.168.0.10.
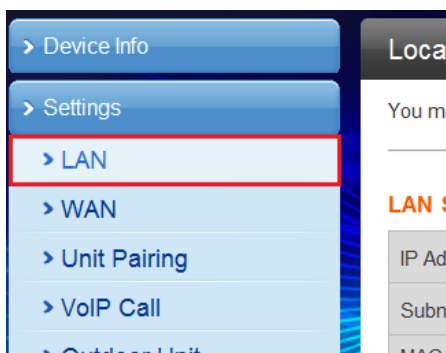Open a web browser such as Internet Explorer and enter in 192.168.0.10 then press enter.

When prompt for a username and password enter in:
Username: admin
Password:  admin



3. Once logged in, select **Settings** > **LAN** from the side menu.

4. Enter in an IP address in the first field.

Note: This IP address needs to be a different IP address then the customer's network.
For Example: If the customer's network has the IP of 192.168.**0**.xx then you would need to enter in something like 192.168.**5**.10 as this IP address.

The rest of the fields should automatically change based on the IP address you set.

Once this IP address has been set you need to click the **Apply** button at the bottom of the page.

Then close the browser after clicking apply.

**LAN Setup**

| | |
|---|---|
| IP Address | 192.168.5.10 |
| Subnet Mask | 255.255.255.0 |
| MAC Address | 00:19:15:DA:4C:0C |
| DHCP Type | Server |
| Start IP Address | 192.168.5.11 |
| End IP Address | 192.168.5.254 |
| Subnet Mask | 255.255.255.0 |
| Primary DNS Server | 192.168.5.10 |
| Secondary DNS Server | |
| Default Gateway | 192.168.5.10 |

5. Once the IP address has been set, you will need to change your computers IP address so it's on the same network range as what you put in step 4 above and you will need to close the web browser.

For Example: If your IP address you set in step 4 is 192.168.5.10 then you would change your computers IP address as 192.168.5.xx (other than 192.168.5.10)

6. Re-open your web browser and enter in the IP address you set in step 4. (You should still have the LAN cable plugged into LAN1 that is connected to your computer)

7. Once logged in, select **Settings** > **WAN** from the side menu.

> Device Info

> Settings

  > LAN

  > WAN

  > Unit Pairing

  > VoIP Call
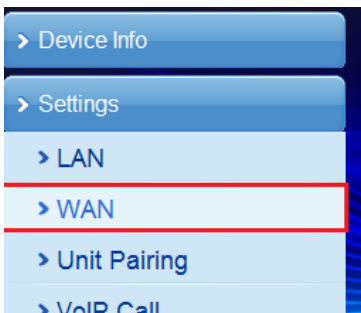
8. You now need to set the following:

**WAN Connection type** needs to be set to **STATIC**
**IP address**, needs to be a IP that matches to the same network range as the customer network.
**Subnet mask** needs to be the same as your customers network subnet mask
In most cases the **Default gateway** will be your routers IP address.
The Primary and Secondary DNS in most cases can be your routers IP address or if you know your ISP DNS server enter it into these fields.

Once those settings have been set, click on the **Apply** button.



9. Remove the LAN cable from the **LAN1** port and plug it into the **WAN** port on the eGateway.



10. Change your computers IP address to match the same network range as what you entered the IP address from step 8.

11. Open Internet Explorer and enter in the IP address you set from step 8 and login using the username **admin** and the password **admin**.

Now the eGateway has been setup and ready for new devices to be paired and setup.

From now on, you only connect using the **WAN** port (blue port) and the IP address you set in step 8.

# Pairing the Outdoor Phone to the eGateway

1. Connect the ODP to the **Outdoor** port of the eGateway

2. The eGateway will identify the ODP unit and will automatically pair it.

**ODP pairing completed**
Once completed the Unit Pairing status will show **Connected**.

## Unit Pairing Information

### Unit Pairing Information

| Name | Type | Account | Password | MAC Address | Status | Select |
|------|------|---------|----------|-------------|--------|--------|
| ODP | Outdoor Unit | 100 | gQJsvT | 00:19:15:d2:cf:e2 | Connected | ☐ |
| 7" IDP | Indoor Phone | 102 | 102 | 48:5d:60:14:43:db | Disconnected | ☐ |
| 10" | Indoor Phone | 101 | 101 | 00:19:15:d2:d0:0b | Disconnected | ☐ |

Refresh Delete Add Edit

**Name your Outdoor station**
Once the unit is paired click on the tick box next to your ODP and click **Edit**

## Unit Pairing Information

### Unit Pairing Information

| Name | Type | Account | IP Address | MAC Address | Status | Select |
|------|------|---------|-----------|-------------|--------|--------|
| | Outdoor Unit | 100 | 192.168.5.44 | 00:19:15:da:2d:e1 | Connected | ☑ |
| | Outdoor Unit | 101 | 192.168.5.159 | 00:19:15:da:2d:60 | Connected | ☐ |

Refresh Delete Add Edit

Enter a name for your ODP (such as Front Door) and press the **Save** button.

**Note**: Do not change other settings on this page.

## Edit Unit

### Unit Information

| | |
|------|------|
| Name | Front Door |
| Type | Outdoor Unit |
| Subtype | Front Door |
| Account | 100 |
| Password | xPTeRQ |
| MAC Address | 00:19:15:da:2d:e1 |
| IP Address | 192.168.5.44 |
| Status | Connected |

Save Start Pairing Stop Pairing

# Pairing the Room Station / 10" Indoor Phone to the eGateway

1. Click **Settings** > **Unit pairing**.

2. If there is already an Indoor phone in the table that is not part of your system, delete it so a new one can be added.

3. Connect the LAN Cable to the Indoor phone unit and the other end into the **Indoor** port.

4. Wait for about 30~40 seconds until the door phone is **automatically detected** and displayed in the "Unit Pairing information table.
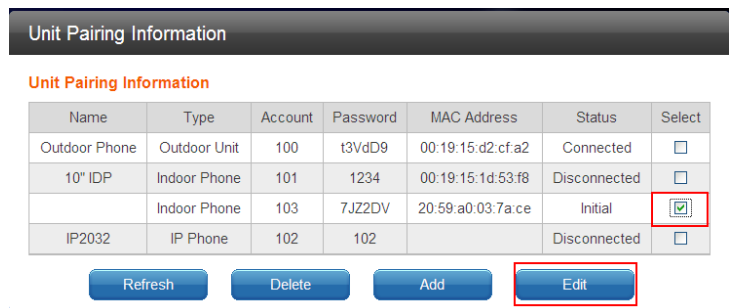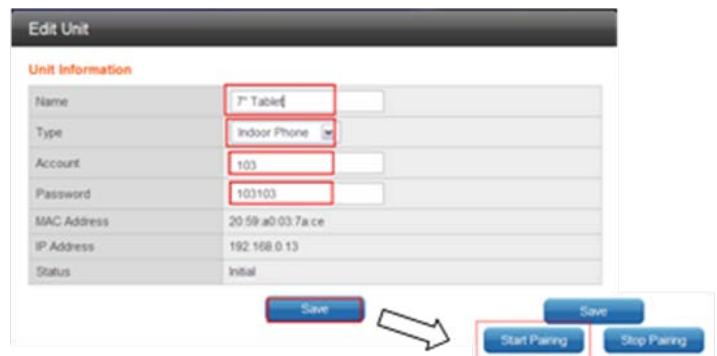
5. SELECT the new device and click **Edit**.

**Edit Unit**

| | |
|---|---|
| Name | Enter the appropriate name according to personal needs. (e.g. Kitchen) |
| Type | Select **INDOOR PHONE** |
| Account | Please fill in the range of 100 to 109 ensuring this number is not registered |
| Password | Can be re-configured according to individual needs, or left as assigned by the eGateway. |

Press the **Save** button
Then click **Start Pairing**

6. Open the App on the Master Room Station / 10" Indoor Phone, as per below:
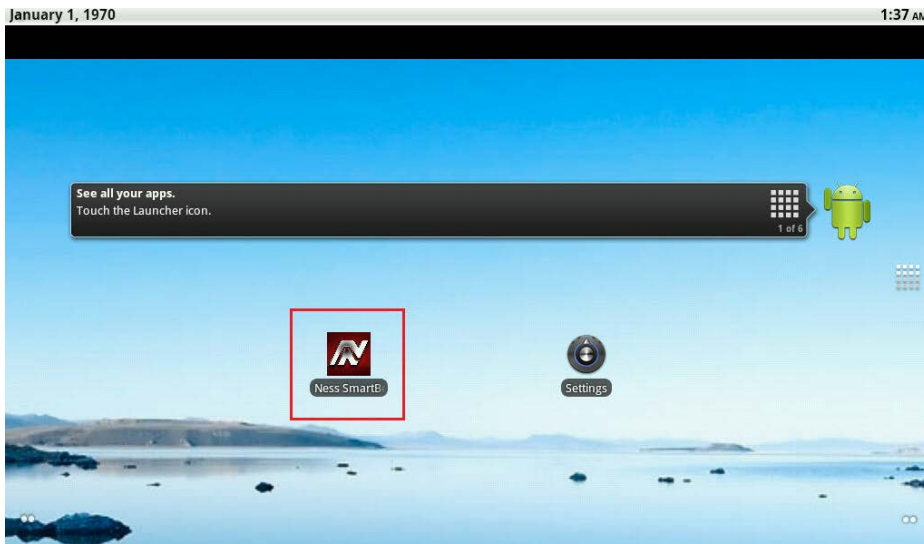


7. On the Master Room Station / 10" Indoor Phone enter in the following settings:

Extension No
Enter extension No (100-109) as per the pairing screen in the eGateway.

Password
Enter password as per the pairing screen in the eGateway.

Default Server Address & Server Address
Please enter the **LAN IP Address of the eGateway**

If you are not sure what the LAN IP is, then in the Web GUI of the eGateway, click on **Settings** > **LAN** and record the LAN IP (e.g. 192.168.5.10) **Do not use the WAN IP address** as you would with Smartphone devices.
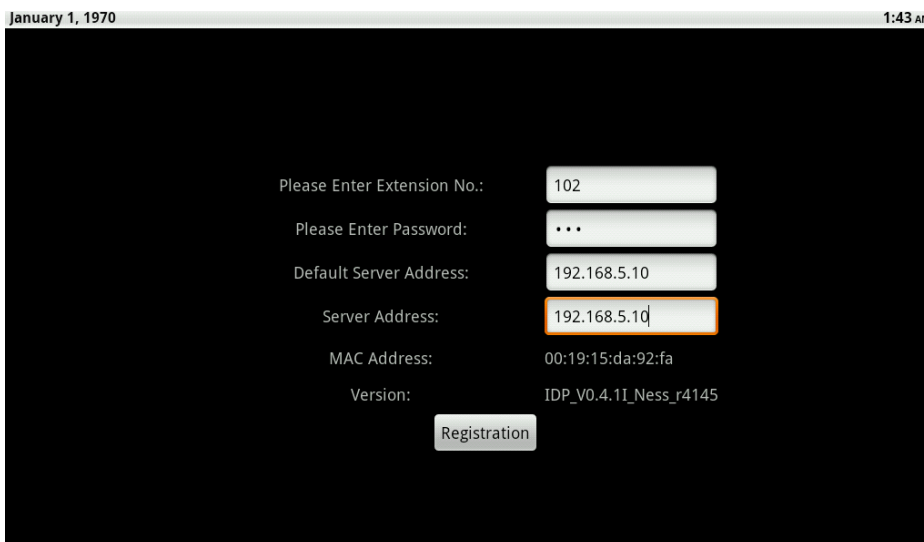


Once all details are entered, click on the **Registration** button.
To complete the 'Pairing' process, click on the **Save** button in the eGateway's web GUI to finish pairing.

Once successfully registered click "Homepage" on the Tablet and 'Unit Pairing' tab on the web GUI of the eGateway which should now show 'connected'.

# Pairing a Android Device to the eGateway

1. Plug your computer into the same network as the **WAN Port** and connect using a web browser with the eGateway WAN IP address.

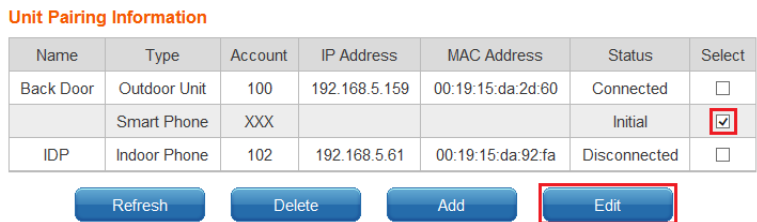2. Enter in the username and password. (Default User = admin   Pass=admin)

3. Click **Settings** > **Unit pairing**.

4. Click the **Add** button.

5. SELECT the new device and click **Edit**.

**Edit Unit**

Name        Enter the appropriate name according to personal needs. (e.g. Fred's Phone)

Type        Select **Smart Phone**

Account     Please fill in the range of 100 to 109 ensuring this number is not registered

Password    Enter in a password.

Press the **Save** button

Then click **Start Pairing**

6. When the Smart phone has **not been paired** with eGateway the following registration screen will appear.

7. Fill out the following items

   Extension No
   Enter Account (100-109) as per the pairing screen in the eGateway.

   Password
   Enter password as per the pairing screen in the eGateway.
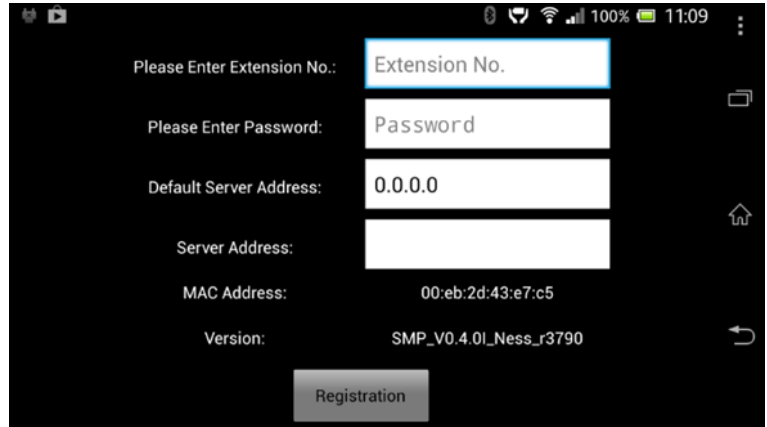
   Default Server Address
   Please enter the eGateway's **WAN** IP Address.

   Server Address
   Enter in your routers external IP address. You can get this by typing in 'What is my IP' into Google.

8. Once the items have been filled in press the **Registration** button.

9. Once the pairing is complete, press the **save** button in the web GUI.

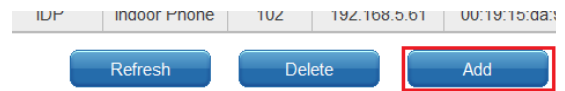| | |
|---|---|
| Please Enter Extension No.: | Extension No. |
| Please Enter Password: | Password |
| Default Server Address: | 0.0.0.0 |
| Server Address: | |
| MAC Address: | 00:eb:2d:43:e7:c5 |
| Version: | SMP_V0.4.0l_Ness_r3790 |

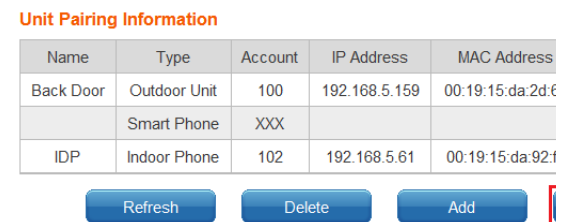Registration

# Pairing a iOS Smart Device to the eGateway

1. Plug your computer into the same network as the **WAN Port** and connect using a web browser with the eGateway WAN IP address.

2. Enter in the username and password.
   (Default User = admin   Pass=admin)

3. Click **Settings** > **Unit pairing**.
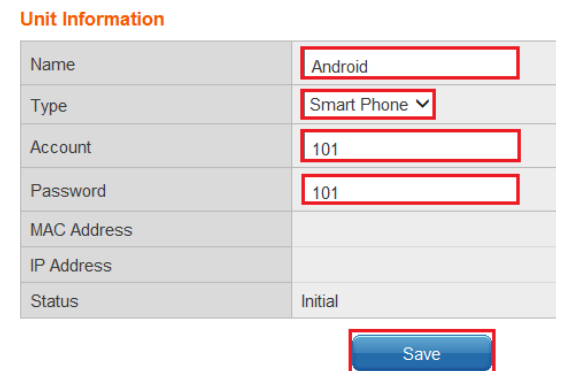
4. Click the **Add** button.

5. SELECT the new device and click **Edit**.

**Edit Unit**

Name      Enter the appropriate name according to personal needs. (e.g. Fred's Phone)

Type      Select **Smart Phone**

Account   Please fill in the range of 100 to 109 ensuring this number is not registered
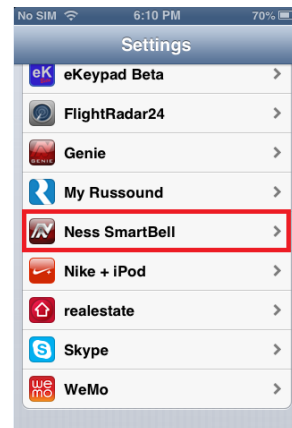
Password  Enter in a password.

Press the **Save** button
Then click **Start Pairing**

6. On your iDevice (iPhone/iPad) tap on the **Settings** icon from the home screen.

7. Scroll down the list into you find **Ness Smartbell** and tap on it.

8. Fill out the following items

   Name
   Enter Account (100-109) as per the pairing screen in the eGateway.

   Password
   Enter password as per the pairing screen in the eGateway.

   Intranet Server IP
   Please enter the eGateway's **WAN** IP Address.

   Internet Server IP
   Enter in your routers external IP address. You can get this by typing in 'What is my IP' into Google.

   Server Port
   You should leave this as **5060** unless you have changed it in the eGateway.

   Monitor View Mode
   This allows you to change the size of the image shown when a Outdoor station calls. Recommend to leave it as **1**.

   Silent
   OFF = Ness Smartbell will make sounds.
   ON = Ness Smartbell will mute all sounds from the app.
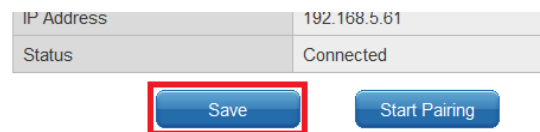   Recommend to leave it to **OFF**.

9. Once the items have been filled in press the **Home** button on the smart device

10. Find the **Ness Smartbell** app icon on the home screen and tap on it.

11. Once the app has opened and it's connected, press the **save** button in the web GUI.

*Ness SmartBell IP Intercom Quick Start Guide*

# Notes

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