



Well being home, wherever you are!

WeBeHome Quick Start Guide for LS-10, LS-20 and LS-30

Table of Contents

1. Introduction.....	2
2. Quick Start Guide	3
3. Introduction to WeBeHome	5
3.1. Left button bar	6
3.2. Customer row	6
3.3. The Location row.....	7
3.4. Detail tabs	7
3.5. Modules (shown when display Accessory list).....	8
3.6. Accessories.....	9
3.7. Accessory configuration pages	10
APPENDIX 1: LOCATION AND PHYSICAL INSTALLATION.....	11
APPENDIX 2: THE LS-30 BASE UNIT	12
APPENDIX 3: HOW TO HANDLE AN ALARM	13
APPENDIX 4: KEYBOARD AND LED INDICATORS FOR LS-30	14
APPENDIX 5A: CHANGE THE MASTER PIN CODE ON LS-30.....	15
APPENDIX 5B: CHANGE THE INSTALLATION PIN CODE ON LS-30	15
APPENDIX 6: ACTIONS AND ALARM TASKS IN WeBeHome	16



1. Introduction

WeBeHome is a powerful cloud based Alarm and Smart Home service for LS-10/LS-20/LS-30. Using the service you can control and monitor your solution via iPhone, iPad and Android Apps as well as Web portal for administration of your solution.

Each Base Unit needs a **WeBeHome** Subscription which can be ordered at webehome.com. It is possible to connect several Locations. Each Location can have one Base Unit and several other modules connected.

The Base Unit connects from the local network to **WeBeHome** via Internet. That gives 2 important advantages:

- 1) It is not and should not be possible to instantly connect to the LS-10/LS-20/LS-30 since the network adapter is not configured to accept incoming connection and it should be placed behind a firewall.
- 2) The local Network module connects itself to **WeBeHome** which removes the need to configure firewalls with port forwarding rules and it does not matter if the public IP of the router changes or if the Base Unit is moved to a new location.

For security reasons we strongly recommend that the Network module/Base Unit is connected behind a firewall/router so no one can reach it from the Internet.

Most routers today have a built in firewall and have the local network separated from the Internet so by default it will not be possible to reach the security solutions Network module.

When a Base Unit is connected to **WeBeHome all changes of settings should be done via **WeBeHome**. Changing settings directly in the Base Unit might lead to unexpected and unwanted behavior. It is especially important to never change the CMS1 field and the CMS reporting settings.**



2. Quick Start Guide

Prerequisite:

- An Internet connection with an available network jack
- A LS-10, LS-20 or LS-30 (with BF-210 or BF-450) Base Unit module
- A network cable
- An accessory with a Web browser that is connected to the same network as the Base Unit will be.
- **The Network module BF-210/BF-450 is configured for WeBeHome, either preconfigured from your supplier or configured by yourself according the document “Configure Network Module for WeBeHome”**

Important information about placement

It is important to have a good radio signal reception between the Base Unit and the sensors. Make sure to:

- Place the Base Unit in a central area
- Don't place the Base Unit or sensors near any large appliances and other metal objects.
- Don't fasten the Base Unit or accessories until you have seen that the signal strength is enough. Even a small change of position or angle may make a large impact on the strength of the signal.

Please read more about installation in [Appendix 1](#) and the online documentation for each accessory.

Step 1) Installation of the Base Unit

- For LS-10/LS-20: Connect the network cable between the Base Unit and your router
- For LS-30: Connect the network cable between the BF-210/BF-450 and your router. Connect the cable between the BF-210/BF-450 to COM1 on the LS-30
- Plug in the power adapter
- For LS-30: Activate the battery the built in rechargeable battery by open the battery lid on the bottom and change the switch to ON. [See Appendix 2.](#)
- If you like, also plug in the PSTN cable if you would like the alarm to make ordinary calls when alarm is triggered if the Internet connection is down.
- Within some minutes the Base Unit will be connected to [WeBeHome](#) over Internet



Step 2) Pair the Base Unit to your Account in WeBeHome

- Start your web browser on an accessory connected to the same local network as the Base Unit (this is necessary the first time for the pairing to succeed) and open the webhome.com page
- If you have a Subscription and Account login information, login on My Pages, otherwise open the Web Shop and order a subscription
- Press the “Add network module/accessory” and then click on the image of the module you are installing. The latest version of this document is available there. Then press the “Start adding” button and the process of pairing the LS-10/LS-20/LS-30 will start.

Step 3) Add accessories to the Base Unit

- Press the “Add new accessory” button on the LS-10/LS-20/LS-30 row to add new accessories.
- A page opens that shows all accessories that you can add. Click on the image and read the information on how to install and configure the accessories. Press the Add button when ready to add the accessories according to the instructions.

Step 4) Check signal strength

- Hold the accessory in position; trigger the accessories so it sends a radio signal. Check that the signal strength is good enough by looking in [WeBeHome](#) Event log (RSSI higher than 39) or in the Accessory list (at least 2 out of 4 bars).

Step 5) Mount

- When the signal strength is good enough, mount accessories according to online documentation

Step 6) Test the system

- Check again that all accessories have good signal strengths and test triggering an Alarm.

The installation is now complete and you can start to configure more options and use it.

The recommendations are:

- Add new users using the Invite user button in User pages. Each user should have their own login.
- Check the default Alarm Task so you know how it is set up and do adjustments if necessary.
- Add new Event Triggered, Scheduled or Favorite Task to get more out of your system.
- Test and learn how your system works, which will give you more benefits and you will know that it works like you want to.



3. Introduction to WeBeHome

This is an example on how it can look like in My Pages

Home ↻

24/08/2016 14:23 Europe/Stockholm
Location 1 Customer 20001

Disarmed Home

Status changed: 24/08/2016 11:43 by Camilla (Internet)

Subscription: DEVELOPMENT valid to 31/12/2099

1 new important events since last clear status at 24/08/2016 10:25

Selected view: Accessories Change view ▾

Modules

Filter by: Show all Change filter ▾

Network Add network accessory

Tellidus Live **Tellstick Net Hemma** ↻ ⚙

Alarm Module LS-30 via Network Module (id [redacted]) **Larmet** Add Alarm accessory 🔍 ⚙

Home gateway HG2 (id [redacted]) 🔍 ⚙

Z-wave (id [redacted]) **HG2-500** Add Z-wave accessory ⚙

Accessories

Location/description	Status/Control	Last message(s)
Group		
14 Livingroom		
1401 Light Exact Connect Dimmer (NodeID 023)	OFF 25% 50% 75% ON	Yesterday, 07:58 Switch turned off
1402 Livingroom Temp Temp	26 °C	Today, 14:01 Value updated
1405 Glass break det. Glass		Jun 28, 19:12 Trigger
1409 Livingroom overview Kamera (D-Link DCS 932L)		Aug 19, 16:03 Camera recording started
1410 Livingroom movement PIR (ver.1)		Today, 14:22 Today, 14:22 Trigger
1420 Smoke det. Livingroom Smoke		29/12/2011, 18:13
Group		
15 Main entrance		
1501 Light hall Fibaro Dimmer (NodeID 009)	OFF 25% 50% 75% ON	Today, 10:50 Switch turned off
1502 Light basement stairs Fibaro Switch 1x3kW (NodeID 008)	OFF ON	Today, 10:50 Switch turned off
1504 Main door Magnetic	Closed Today, 14:14	Today, 14:14 Closed
1512 Hall PIR (ver.1)		Today, 14:10 Today, 14:10 Trigger



3.1. Left button bar



Configuration and maintenance of accessories, event driven action, time driven actions, and scenarios. Also includes a Graphical 24 h view and Event log.



Show measurements in charts from all connected accessories that the user has access to and are logged in to.



Show live view and stored image sequences of cameras all cameras that the user has access to and are logged in to.



Add and maintain users for the users customer. Also maintain users accessories.



Go to the WebShop using your current login. For example when ordering new Subscriptions or accessories.



Contact me button

3.2. Customer row



Click on the row to maintain Customer Name, Country, Language, Time Zone. The current and historical information about Subscription is listed.



3.3. The Location row



A customer may have installations on several locations. The Location row shows and controls the status of the Alarm. The Clear button (with a cross) clears new messages, clear display on LS-30 and stop ongoing alarm.

Click on the row to maintain the Location Name, Nearest town (used to calculate sun rise and sun set)

Below the header important information is shown. For example by who and when the status was changed last time, the active Subscription and its due date. New alarm and important messages are cleared by pressing the Clear button.

3.4. Detail tabs



Accessories	Shows a list of modules and accessories.
App view	My pages shown similar to the IOS/Android WeBeHome App
Accessories that need attention	Shows a list of accessories that require attention
24h overview	A graphical 24 hour overview of events and measurements
Camera	Gives an overview and options for your cameras



Chart	Shows diagrams and data from your accessories
Event log	Shows a list of all events
Alarm Triggered Action Sets	Shows a list of sets triggered by an alarm
Event Triggered Action Sets	Shows a list of sets triggered by an event
Timer Triggered Action Sets	Shows a list of sets triggered by a timer
Scene Action Sets	Shows a list of sets triggered by a scene
Location	Options for locations
Group	Options for your groups
Users	User settings
Customer	Customer settings and handling of new locations
Subscription	Shows a list of your subscriptions for that location

3.5. Modules (shown when display Accessory list)

A list of Module all connected modules. The list is shown when Display type “Accessory list” is selected.

The screenshot shows a web interface titled "Modules". At the top, there is a filter dropdown set to "Show all" and a "Change filter" button. Below this is a table of modules:

Network	Add network accessory
Telldus Live Tellstick Net Hemma	Refresh Settings
Alarm Module LS-30 via Network Module (id)	Add Alarm accessory Help Settings
Home gateway HG2 (id)	Help Settings
Z-wave (id)	Add Z-wave accessory Settings

Click the “Add network accessory” button to add new network accessories.

Click the “Add accessory” button to add new accessories to the LS-10/LS-20/LS-30 Base Unit
opens the online documentation for the LS-10/LS-20/LS-30

Click on the LS-30 rows which opens the general configuration page for the LS-10/LS-20/LS-30. There is a lot of settings that can be changed to customize your solution.



3.6. Accessories

Location/description	Status/Control	Last message(s)
Group		
14 Livingroom		
1401 Light Exxact Connect Dimmer (NodeID 023)	OFF ON	Yesterday, 07:58 Switch turned off
1402 Livingroom Temp Temp	26 °C	Today, 14:01 Value updated
1405 Glass break det. Glass		Jun 28, 19:12 Trigger
1409 Livingroom overview Kamera (D-Link DCS 932L)		Aug 19, 16:03 Camera recording started
1410 Livingroom movement PIR (ver.1)		Today, 14:22 Today, 14:22 Trigger
1420 Smoke det. Livingroom Smoke		29/12/2011, 18:13

Show a list of all connected accessories and icons for some important statuses like low battery and contact lost.

Click on the row will open the configuration page for the accessory

- opens the online documentation for the accessory
- open the Event log for the accessory




3.7. Accessory configuration pages

The configuration pages adjust depending on what is configured. Below is an example for a PIR-3SP Motion Detector. Together with the settings is a detailed description of each setting, when needed.

← Home ↻

PIR (ver.1), Motion detection (PIR-3SP)



Save
Documentation
Remove

Accessory type: PIR (ver.1) (PIR-3SP)

Description: Motion detection

Grupp: 01 Home office.
Each Group has a number. For example 01 to 09 = Rooms in Basement, 11 to 19 = Rooms in floor 1, 21 to 29 = room on floor 2, 50 = Outside, 60 =Remote controls. For customer with many accessories it can be subdivided like 21 =Köketen, 22=Living room etc. No 80 to 90 are used for the keypad KP-3S. No 91 to 99 are separate zones that can be armed/disarmed separate from the other Groups.

Accessory No: 20
The accessory's number within the Group. Just to give each accessory a number to refer to and sort by. Different types of accessory may have the same number even if we don't recommend that.

Settings

Bypass/disable
Bypass/disable the accessory from trigger alarms, send messages and control the alarm system. Sensorsignal will still be sent, stored and can be used in Event driven Tasks.

Show on smartphone start page

Guard in Home Mode
The accessory shall be active if you arm the system in Home mode. That is for example recommended for magnetic contacts on door to create a perimeter protection when you sleep.

Advanced

Accessory mode: Active and Visible

Entry and Exit delay activation
Trigger of the alarm will be delayed a number of seconds according to settings in the Alarm Base Unit. Warning sounds can be heard. Also when arming the system, the device will have a delay to have time to Exit. Time and warning sounds can be set in Alarm Baseunit Configuration in WeBeHome.

Inactivity
If the accessory have not been activated within a configured time, an alert shall be sent. I.e. the magnetic sensor has not been activated or the motion detector has not sensed motion. The time is set in Base Unit configuration in WeBeHome. Mostly used as safety alert to monitor if something has happened or a person can not move.
IMPORANT: WITH THIS SETTING, THE ACCESSORY WILL NO LONGER WORK AS AN BURGLAR OR PRE-WARNING SENSOR AND NO BURGLAR ALARM WILL BE TRIGGERED

Alarm with Siren & Relay
When an accessory sends an alarm, the following happens (depending on configuration):

- the internal siren in the base unit sounds
- any external wireless sirens sounds
- any directly connected sirens or relays (to the base unit) are activated

Siren configurations can be made in Base Unit configuration in WeBeHome
Possible configurations are:

- Will the internal siren in the base unit sound
- Time for the internal siren sound (60 seconds as standard)
- External wired siren/relay time interval in seconds or minutes (seconds as standard)
- How long should wired connected siren/relay should sound in (60 seconds as standard)
- External wireless siren time interval in seconds or minutes (seconds as standard)
- How long should wireless siren/relay should sound in (60 seconds as standard)

Door Bell in Disarm
If the accessory is activated in disarm mode, i.e. a magnetic sensor is activated or a motion detector senses motion, a sound "Ding-dong" sounds from the base unit.

24-Hour Zone
The accessory should always be active (i.e. always armed), even if you have Disarmed the system.

Supervised
Warning/alert if the base unit can not get contact with the accessory within configured time. The time is set under in Base Unit configuration in WeBeHome.

Pre-warning (no alarm triggered)
When unit is triggered in ARMED mode, a Triggered/Motion started event is sent and selected XRM-01/X-10 switches are turned on for 30 seconds to give possibility for a pre-warning for people getting close to armed area. **NO ALARM IS TRIGGERED**

Which XRM01/X.10/XSW-01 switches should be triggered by Alarm/Home Automation 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

If the accessory triggers an alarm (disregarding if a siren sounds or not) the switches are activated. Every number represents a X-10 switch, one of the switches in the external relay module XRM-01 or a XSW-01 switch. For the remote control RC-3, the selected switches are toggled each time the Disarm button are pressed in Disarm mode. Measurement accessory can be used to turn on / turn off switches when values pass high and low limits.



APPENDIX 1: LOCATION AND PHYSICAL INSTALLATION

It is important for the Base Unit to have a good reception conditions so the radio signals can be received from all accessories, therefore make sure to:

- Place the Base Unit in the central area to make it easier for the radio signals from the accessories to reach the Base Unit
- Keep the Base Unit away from large appliances and other metal objects since it will heavily affect the reception of the radio signals.

Think also of:

- Locate the Base Unit in an armed area to make sure an intruder can't reach the Base Unit without trigger an alarm
- Locate the Base Unit near a power outlet and an Internet connection (unless the GRPS module is used). If the alarm also should make calls, then a telephone connection line is needed.

Install the Door Sensors, PIR and all the other sensors according to instructions on [WeBeHome](#).

Before mounting the sensors, check the radio signal strength from each sensor when having the final position. The signal strength of the last signal is shown in [WeBeHomes](#) Accessory List and in the Event Log. It is recommended that it is between 3 and 4 bars on the small charts beside each sensor.

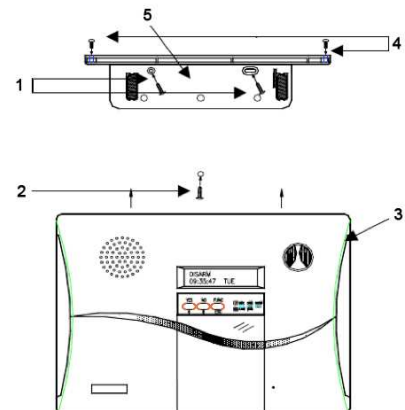
Relocate the sensors/Base Unit to get the enough signal strength if necessary. If the signal strength is less than 2 bars relocate the sensors and/or Base Unit or add a repeater to retransmit the radio signals.

Do not attach any transmitter or Base Unit near/on metal surface since it will heavily reduce the radio signal strength.

Even a small change of angle or position may make a large change of the signal strength.

The figure to the right describes how the base unit can be installed on the wall.

- 1) Attach the mounting bracket on the wall.
- 2) Insert the screw for the keyhole.
- 3) Attach the Base Unit to the mounting bracket and push up.
- 4) Tighten the screws.
- 5) Mounting bracket



APPENDIX 2: THE LS-30 BASE UNIT

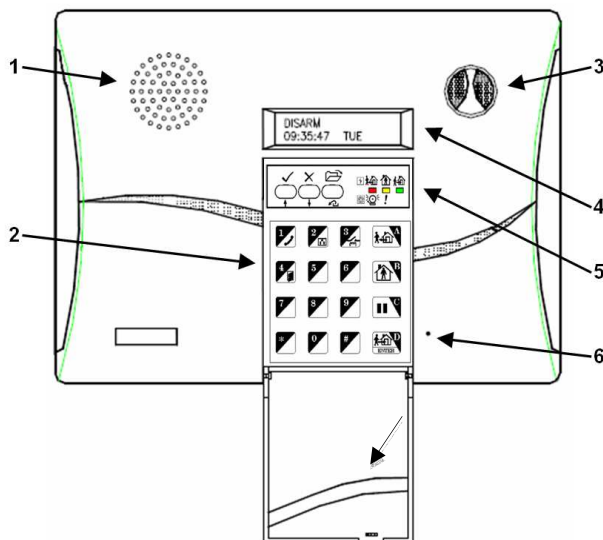


Figure 1A. Front panel

1. Speaker
2. Key board
3. Emergency buttons
4. LCD display
5. LED status
6. Microphone

To trigger an emergency, press both emergency buttons simultaneously.

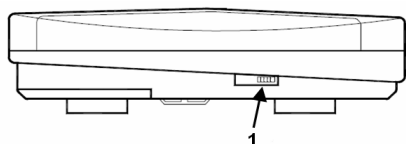


Figure 1B. Side panel

1. Speaker volume control

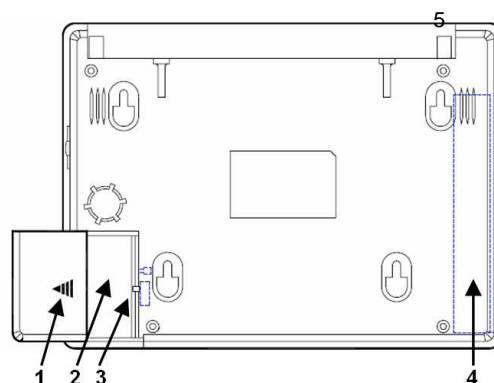


Figure 1C. Bottom

1. Battery lid
2. Battery 2 (optional)
3. Battery switch, **ON is up** ↑ position
4. Build in battery

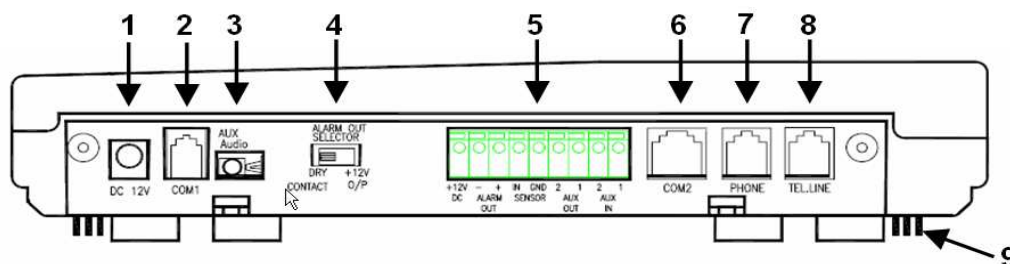


Figure 1D. Rear panel

1. To power adapter
2. COM1, connection to Ethernet adapter BF-450
3. Audio AUX
4. Alarm out selector. Dry contact or 12V/300 mA
5. Terminal board
6. COM2. Used for Power relay interface and X.10 module
7. Phone out
8. Phone line in – only used when the alarm should make alarm calls (instead of SMS)
9. Wire duct



APPENDIX 3: HOW TO HANDLE AN ALARM

When an alarm is triggered the settings in **WeBeHome** defines how the system should react. The basic setting is that the siren in the Base Unit starts and the Base Unit sends Alarm messages to the users that are defined in **WeBeHome**.

Stop alarm and siren from Base Unit

- Disarm the system by pressing the **Open** button, enter your PIN code, press **D Disarm/Enter** and finally press **C Clear/Paus**

Stop alarm and siren from Remote control

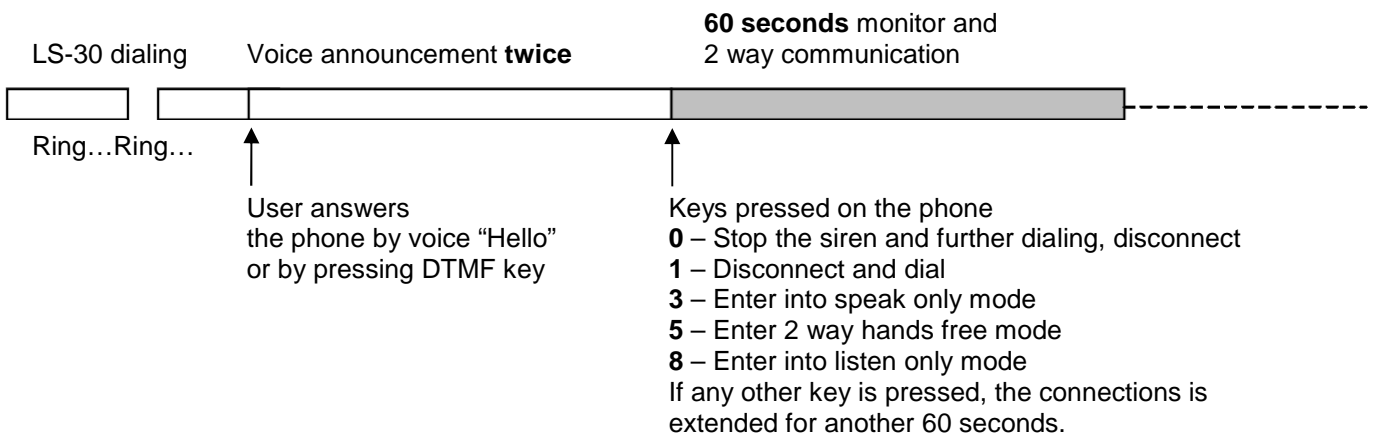
- Press the Disarm button (the picture where a man walks into the house)

Stop alarm and siren from **WeBeHome**

- Log in to **WeBeHome** by pressing the “Log in & Disarm” button.












If a phone line is connected and the Base Unit is configured to make calls

- When you pick up the phone, your voice on the line will trigger the appropriate message from the LS-30 (For the telephone number assigned as voice acknowledgement).
 - You will hear the prerecorded message twice, telling you what event happened to the system.
 - After the announcement, the LS-30 enters into monitoring and 2-way communication mode for 60 seconds. You can hear any sound picked up by the microphone on the Base Unit or talk to the people inside the house. During these 60 seconds, you can also control your LS-30 through the telephone keypad.
 - If you don't press any key during this period, the first 30 seconds will be listen-only and then after two beeps- the system will enter into 2-way hands-free speaker phone automatically. Ten (10) seconds before the termination of the telephone connection, one beep will be delivered to remind the user.
- Below is the flow on the call described and how the user can control the Base unit using the keys on the phone.



APPENDIX 4: KEYBOARD AND LED INDICATORS FOR LS-30

Figure 2A - Keyboard

-  Yes
-  No
-  Open / Esc
-  **A** Arm **AWAY** mode
-  **B** Arm **HOME** mode
-  **C** Clear/Pause
-  **D** Disarm/Enter
-  **1** Hand free phone
-  **2** X-10 switches / relay control
-  **3** Alarm relay control
-  **5** Read messages

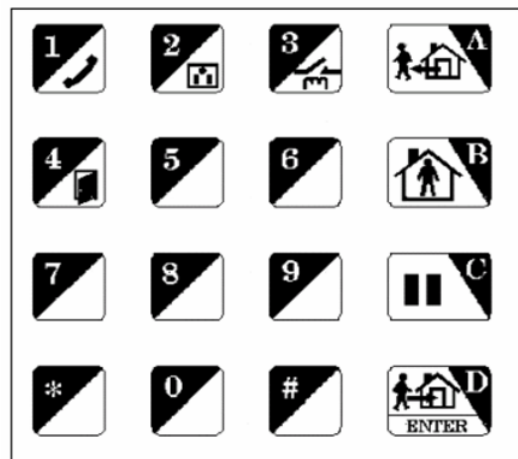
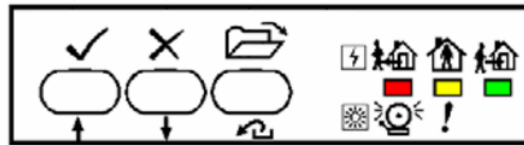


Figure 2B – LED status

1. Armed AWAY - Red
2. Armed HOME - Yellow
3. DISARM - Green
4. Alarm
5. Warning

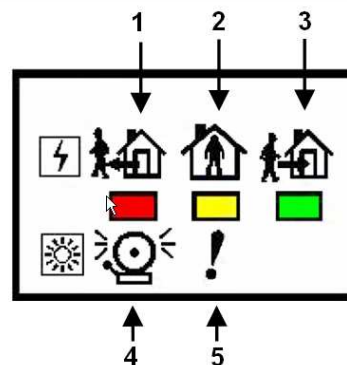


Figure 2C – State vs LED status

State \ LED	Red	Yellow	Green
DISARM	OFF	OFF	Flash
HOME	OFF	Flash	OFF
AWAY	Flash	OFF	OFF
DISARM with Warning message	OFF	ON	Flash
DISARM with Alarm message	ON	OFF	Flash
DISARM with Alarm and Warning message	ON	ON	Flash
HOME with Warning message	OFF	ON	OFF
HOME with Alarm message	ON	Flash	ON
HOME or AWAY with Warning and Alarm message	ON	ON	OFF
AWAY with Warning message	Flash	ON	OFF
AWAY with Alarm message	ON	OFF	OFF


- DISARM Press PIN-code + **D** Disarm/Enter + **D** Disarm/Enter
- Arm AWAY mode Press PIN-code + **D** Disarm/Enter + **A** Arm AWAY mode
- Arm HOME mode Press PIN-code + **D** Disarm/Enter + **B** Arm HOME mode
- Clear message Press PIN-code + **D** Disarm/Enter + **C** Clear/Pause



APPENDIX 5A: CHANGE THE MASTER PIN CODE ON LS-30

When you want to change the master PIN code you need to do this in two different places – in the base unit and at [WeBeHome](#)

Change the master PIN code on the base unit

1. Enter the master PIN code (default 0000) and press **D Disarm/Enter**
2. The text "System control?" is displayed – press **X** (No)
3. The text "Master mode?" is displayed – press **✓** (Yes)
4. The text "Set doorbell?" is displayed – press **X** (No)
5. Continue to press **X** (No) until the text "Set password?" is displayed – press **✓** (Yes)
6. The text "Master=**** Change?" is displayed – press **✓** (Yes)
7. Type in your new 4-digit master PIN code and press **D Disarm/Enter**
8. Press the  button twice to return

Change the master PIN code in [WeBeHome](#) – IMPORTANT


To make it possible for [WeBeHome](#) to give certain command to the Base Unit it is also necessary that the master password is changed in [WeBeHome](#). That is done by:

1. Login at webhome.com
2. In the Status window, click on the row for the Base Unit
3. Scroll down to the LS-30 Pin codes section
4. In the text field "Master PIN code", type in the same 4-digit master PIN code, then press the button "Get PIN codes" and after that click "Save PIN codes"
5. Done

Please note! All other PIN codes for the Base Unit are managed at [WeBeHome](#). Except PIN codes for the separate keypads which are changed on the keypad itself.

APPENDIX 5B: CHANGE THE INSTALLATION PIN CODE ON LS-30

Change the master PIN code on the base unit

1. Enter the installation PIN code (default 1234) and press **D Disarm/Enter**
2. The text "System control?" is displayed – press **X** (No)
3. The text "Installation mode?" is displayed – press **✓** (Yes)
4. The text "Time settings?" is displayed – press **X** (No)
5. Continue to press **X** (No) until the text "Other settings?" is displayed – press **✓** (Yes)
6. Continue to press **X** (No) until the text "Set password?" is displayed – press **✓** (Yes)
7. Type in your new 4-digit master PIN code and press **D Disarm/Enter**
8. Press the  button twice to return



APPENDIX 6: ACTIONS AND ALARM TASKS IN WeBeHome

A Task is a set of Actions. There are many types Actions like Send Push Notification, Turn Light on, Arm System etc. Tasks are available in BASIC and PREMIUM subscriptions.

One of the most important one which might need an explanation is the Alarm Message Action. The Alarm Message Action is used as default in the Alarm Task.

The Alarm Action work like:

- Start sending Push Notification to all users who should receive the alarm message.
- If a user doesn't have Push Notification enabled, a SMS will be sent instead.
- If no user has opened the App within 60 seconds, a SMS is sent to those who first should have received a Push Notification. This is for people who are abroad without roaming or lack of internet access.
- If still no one that received the Alarm message has opened the App after 60 seconds, additional Push Notifications will be sent once every minute for up to 15 minutes.

In the Alarm Message Action, text messages are included. No separate text messages are needed if SMS is deduced if you have available text messages.

Alarm Tasks

As default there is one Alarm Task defined like below. The Alarm Task might look different on your system if your local service partner has modified the default.

Description	ALARM	Save
Detailed description		Cancel
Action behaviour	Alarm: Starts when triggered and continue until end of Actions or Stopped by Disarm or Clear Status. When triggered, it will not trigger again until 15 minutes has passed.	
With feedback	<input type="checkbox"/> When alarm is taken care of, all those who has got alarm messages will get alarm taken care of message	
Trigger	1_ - ALL ALARMS	
Target	Office home (Your Base Unit)	
Actions at start Add Action		
• Camera, Start recording, 60 sec, All matching devices ✘		
• Send Alarm Msg to All User with Role: User ✘		
• Send Alarm Msg to All User with Role: Super user ✘		
• Send E-mail to All User with Role: Super user ✘		
Actions 5 minutes after start: Add Action		
• Send Alarm Msg to All User with Role: Neighbour ✘		
• Send Alarm Msg to All User with Role: Employee ✘		

- When an Alarm is triggered, it starts to record images from all connected cameras and store the images centrally at [WeBeHome](#) for later viewing.
 - It then sends Alarm Messages to all users with Role User and Super User
 - Users with role Super User will also receive an e-mail
- If the alarm has not been stopped by Disarm or Clear within 5 minutes, then it will
- Send Alarm Message to users with Role Neighbors and Employees