

walt



User Manual

WELCOME TO THE FIRST RUGGED SMART RADIO SYSTEM

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Read Me First

Please read this important safety information before you use the device. It contains general safety information for devices and may include content that does not apply to your device. Follow the warning and caution information to prevent injury to yourself or others and to prevent damage to your device.

The term “device” refers to the product and its battery, charger, the items supplied with the product, and any weavix-approved accessories used with the product.

This user guide covers the basic operations of the walt Smart Radio model offered in your region.

Safety Symbols Used in This Manual

Within this manual, you will notice the use of symbols **Warning**, **Caution**, and **Notice**. These symbols are used to emphasize that safety hazards exist, and care must be taken or observed.



WARNING: An operational procedure, practice, condition, and so on, which may result in injury or death if not carefully observed.



CAUTION: An operational procedure, practice, condition, and so on, which may result in damage to the equipment if not carefully observed.



NOTE: An operational procedure, practice, condition, and so on, which is essential to emphasize.



Warning: Failure to comply with safety warnings and regulations can cause serious injury or death

Always comply with regulations, instructions, and signs during all operations, including in potentially explosive environments. Your employer may have specific restrictions relating to use of mobile communication devices which you must follow.

- Do not use damaged power cords or plugs, or loose electrical sockets.
- Do not touch the device, power cords, plugs, or the electric socket with wet hands or other wet bodyparts.
- Do not pull the power cord excessively when disconnecting it.
- Do not use the device with wet hands while device is charging.
- Use only a weavix approved battery and/or chargers specifically designed for your device. An incompatible battery or charger can cause serious injuries or damage to your device.
- **weavix cannot be responsible for the user's safety when using accessories or supplies that are not approved by weavix**
- Do not store your device near or in heaters, microwave, hot cooking equipment, or high pressure containers.
- If you notice strange smells or sounds coming from your device or the battery, or if you see smoke or liquids leaking from the device or battery, stop using the device immediately and send it to a weavix authorized service center.

- Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle.
- Use caution when using the device while walking or moving. Always be aware of your surroundings to avoid injury to yourself or others.
- Do not paint or put stickers on your device. Paint and stickers can clog moving parts and prevent proper operation.
- Do not use device if the screen is cracked or broken.



WARNING: Any changes or modifications to your device can void your manufacturer's warranty. If your device needs servicing, take your device to a weavix service center

This section describes the basic handling precaution of the walt Smart Radio

Table 1. IP Specification

IP Specification	Description
IP68	Allows your walt Smart Radio to withstand two meters of water for two hours, and adverse field conditions such as water drops, snow, dirt, grease, or other surface contaminants.



CAUTION: Do not disassemble your walt Smart Radio. This could damage the walt seals and result in leak paths into the walt. walt maintenance should only be done in a service center that is equipped to test and replace the seal on the device.

- If your walt Smart Radio has been submerged in water, shake your walt well to remove any water that may be trapped inside the speaker grill or microphone port. Trapped water could cause decreased audio performance.
- If your battery contact area has been exposed to water, clean and dry battery contacts on both your walt and the battery before plugging into a charging outlet or setting it in the wrangler mass charger. The residual water could short-circuit the walt.
- If your walt has been submerged in a corrosive substance (for example, saltwater), rinse walt in fresh water then dry with a towel.
- To clean the exterior surfaces of your walt use a diluted solution of mild dishwashing detergent and fresh potable water (for example, one teaspoon of detergent to one gallon of water)
- Your walt is designed to be submersible to a maximum depth of 2m and a maximum submersion time of 120 minutes. Exceeding the maximum limit may result in damage to your walt.
- Only Underwriter Laboratory (UL) approved service centers can open and service UL-certified walt Smart Radios. Opening or repairing at unauthorized locations invalidates hazardous location ratings of the walt.

Special Notations

The following special notations are used throughout the text to highlight certain information or items:

Table 1: Special Notations

Example	Description
PTT Button	Bold words indicate a name of a key, button, or soft menu item
<i>Your walt shows LTE Service</i>	Italic words indicate the MMI strings or messages displayed on your walt
<required ID>	The courier, bold, italic, and angle brackets indicate user input
Setup → Tone → All Tones	Bold words with the arrow between indicate the navigation structure in the menu items

Feature and Service Availability

Your administrator may have customized your walt Smart Radio for your specific application needs.



NOTE: Not all features in the manual are available on your walt. Contact your administrator for more information.

You can consult your administrator about the following:

- Access to functions and Channels
- Which optional accessories may suit your needs
- What are the best walt usage practices for effective communication
- What maintenance procedures promote longer walt life

Software Version

All the features described in the following sections are supported by the software version XXXXXXXXXX or later. Contact your administrator for more information.

Specifications

For more information about walt Smart Radio specifications, refer to the datasheet of your walt model at <https://www.walt.weavix.com/waltproducts>

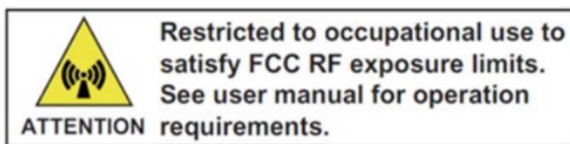
About This Manual

Before using the walt device for the first time please read this user manual carefully to ensure safe and proper use. This user manual content description is based on the default settings. All figures and icons in this manual are for user reference only and may differ from the final product depending on the software version upgrade.

Supplier's Declarations of Conformity
Per FCC CFR Title 47 Part 15



Responsible Party
Name: PK Solutions LLC.
Address: 10811 E. Harry St, Wichita, KS 67207
Phone Number: +1 316-844-5144
Hereby declare that the product:
Model Name: walt
conforms to the following regulation:
FCC Part 15, Subpart B



Class B Digital Device: As a personal computer peripheral, this device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference. This device must accept any interference received, including interference that may cause undersired operation.
2. Changes or modifications made to this device that are not expressly approved by PK Solutions, could void the authority of the user to operate this equipment.



For the UL Mark Certification, walt Smart Radio meets the requirements of Class 1 Division 2, Groups A,B,C, and D. Class II, Division 2 Groups F and G Hazardous Locations and for ATEX/IECEx Zone 2 and Zone 22. Device intended for operating temperature range from $-10^{\circ} \leq T_{amb} \leq +60^{\circ}\text{C}$.

CE Output Power

Frequency	Maximum Nominal Transmit Power (dBm)
Bluetooth 2402-2480 MHz	7 dBm
Wi-Fi 2402-2480 MHz	18 dBm
Wi-Fi 5150-5210 MHz	17.5 dBm
Wi-Fi 5290-5350 MHz	17.5 dBm
Wi-Fi 5470-5725 MHz	17.5 dBm
Wi-Fi 5725-5850 MHz	15 dBm
LTE Band 1/3/7/8/20/28/38/40/41/42	24 dBm
NFC 13.56 MHz	-3.38 dBuA/m@10m
GNSS 1559-1610 MHz (BDS/Galileo/GLONASS/GPS)	N/A
Walkie-Talkie	33 dBm

RF Exposure Information (SAR)

Specific Absorption Rate (SAR) refers to the rate at which the body absorbs RF energy. SAR limits are 1.6 Watts per kilogram (over a volume containing a mass of 1 gram of tissue) in countries that follow the United States FCC limit and 2.0 W/kg (averaged over 10 grams of tissue) in countries that follow the Council of the European Union limit. Tests for SAR are conducted using standard operating positions with the device transmitting at its highest certified power level in all tested frequency bands. Make sure you use the dedicated Klick Fast Gator Clip (the hands-free accessory) to ensure the RF exposure levels remain at or below the as-tested levels. Use of other untested accessories should be avoided.



Waste Electrical and Electronic Equipment (WEEE)

■ This symbol means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Proper recycling of your product will protect human health and the environment.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notice to Users (Industry Canada)

The operation of your walt Smart Radio is subject to the Radio Communications Act and must comply with all rules and regulations of the Federal Government's Department of Industry Canada. Industry Canada requires that all operators using Private Land Mobile frequencies obtain a radio license before operating their equipment.

Industry Canada & EU WLAN Statement

Hereby, PK Solutions, LLC. declares that the radio equipment type walt Smart Radio is in compliance with Directive 2014/53/EU.

The full text of EU declaration of conformity is available at the following address:
www.walt.weavix.com/waltproducts

EU

1. This device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in the following countries: Belgium, Bulgaria, Czech Republic, Denmark, Germany, Estonia, Ireland, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Malta, Netherlands, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden, Norway, Iceland, Lichtenstein, Switzerland, North Ireland and Turkey.



AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	IS
LI	NO	CH	TR	UK(NI)		

EU Importer

Peter Jones (ILG) Limited - Lower Monk Street, Abergavenny, Monmouthshire NP7 5LU GBR
 Customer Support Contact: +44 200 3808

Canada

1. The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the the potential for harmful interference to co-channel mobile satellite systems.
2. The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit.
3. The maximum antenna gain permitted for devices in the band 5752-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.
4. The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement outlined in Section 6.2.2 (3) shall be clearly indicated.
5. Users should also be advised that high-powered radars are allocated as primary users (i.e., priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these devices could cause interference and/or damage to LE-LAN devices.

This device does not support LTE B48 in Canada

European Union (EU) Waste of Electrical and Electronic Equipment (WEEE) directive.

 The European Union's WEEE directive requires that products sold into EU countries must have the crossed-out trash bin label on the product (or the package in some cases).

As defined by the WEEE directive, this crosses-out trash bin label means that customers and end-users in EU countries should not dispose of electronic and electrical equipment or accessories in household waste.

Customers or end-users in EU countries should contact their local equipment supplier representative or service center for information about the waste collection system in their country.

Important Safety Information

RF Energy Exposure and Product Safety Guide for Portable Two-Way Radios



CAUTION:

This device is restricted to Occupational use only. Before using the walt read the RF Energy Exposure and Product Safety Guide section which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and Regulations.

Any modification to this device, not expressly authorized in writing by PK Solutions LLC. may void the user's authority to operate this device.

Under Industry Canada regulations, this device transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than necessary for successful communication and data transfer. This device transmitter has been approved by Industry Canada to operate with PK Solutions LLC approved antenna with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list having a gain greater than the maximum gain indicated for the type, are strictly prohibited for use with this device.

walt Overview

What comes in the box

All contents of the weavix box and items are present as described.

- (1) walt Smart Radio
- (1) Antenna
- (1) SIM Pin
- (1) Klick Fast Gator Clip
- (1) Type C Charging Cable & Power Brick



Top Cover



Bottom Cover

Table 1. walt Smart Radio Box Contents

Label	Name	Description
1	walt	Smart Radio
2	Antenna	Antenna
3	USB-C Cable/Brick	Charging Accessories
4	SIM Pin Tool	Tool to Insert SIM
5	Klick Fast Gator Clip	Accessory



Table 1

walt Diagram



Table 2. walt Smart Radio

Label	Name	Description
1	Touchscreen	walt display screen
2	Camera	Camera that faces the user while looking at the screen
3	Select Button	Multi-function button dependent on screen operator is in
4	Up Button	Forward navigation button
5	Back Button	Back navigation button
6	Down Button	Down navigation button
7	Antenna Port	RF amplification when transmitting or receiving
8	Headset Insert	Location to add accessory lapel mic/speaker
9	Emergency Button	Turn on or off emergency notification operation
10	Fingerprint Scanner	Ability to use fingerprint to unlock the device
11	SIM Card Location	SIM card door for removal and installation of SIM card
12	PTT Button	Push-to-talk button to transmit vocal communication
13	Volume Up	Increase volume
14	Volume Down	Decrease volume
15	USB-C Port	USB-C device charging via cable and brick
16	Pin Charging Port	Connectors to charge walt with wrangler™ mass charger
17	Speaker	Audio speaker
18	LED Light & Forward Camera	Rear camera on back of walt facing outward
19	walt Label	Label with specific information: certifications, SN and QR
20	Klick Fast Reciever	Receiver on back of walt to affix the Klick Fast Clip

Attaching the Antenna



Attaching the Antenna to walt

1. Remove antenna dust cover from walt (Table 2, Diagram item 7)
2. Set the antenna in the receptacle
3. Turn the antenna clockwise until tight



CAUTION: Do not over-tighten the antenna as this may cause damage to the walt or the antenna

Detaching the Antenna from walt

1. Turn the antenna counter-clockwise
2. Remove the antenna from the receptacle
3. Replace the antenna dust cover

Installing the SIM Card(s)



1. Locate SIM card cover (Table 2, diagram item 11)
2. Turn walt facing down flat on smooth surface with the antenna port facing you. (This shall put the SIM card location on the right side)
3. Use the provided SIM card pin tool to open the slot by applying slight pressure in the pinhole (Table 1, item label 4)
4. Install SIM card with the notched corner facing to the upper left
5. Re-insert SIM card cover back into the slot until flush with the side of the walt Smart Radio

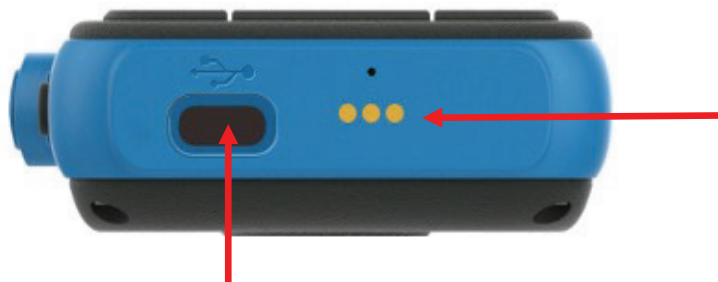
Klick Fast Gator Clip



This clip is included and is intended to be used as a hands-free carrier for the walt. This can be attached to belts and pockets.

1. Squeeze the top of the clip so the jaws open and the raised nugget opening is facing outward. Insert it into a pocket or over a belt. Make sure it is secured.
2. Turn walt 90° forward (the antenna pointing forward) to the Klick Fast walt receiver and insert it into the Klick Fast clip.
3. Turn walt 90° so the antenna is pointing up to lock the clip into place.
4. To remove walt from the Klick Fast clip, turn walt 90° forwards (the antenna pointing forwards) and pull up on the device.

Battery Use and Charging



walt has two ways of charging. To charge a single walt insert the provided USB-C cable into the port located at the bottom side of walt (15).

A bank charger (wrangler provided separately) quickly and easily charges walt. Simply plug into the charging cradle and walt will automatically begin charging.

Getting Started with weavix & walt

Registration Process

To gain access to use walt the user shall be required to pre-register in weavix. Contact your **Company System Administrator** for the sign-up process.

Powering walt On/Off



Powering on walt

Press and hold the  (3) key for 10 seconds.

Powering off walt

Navigate to the menu page. From the menu page, select the **Power Off** icon at the bottom of the page.

Tap & Go Registration

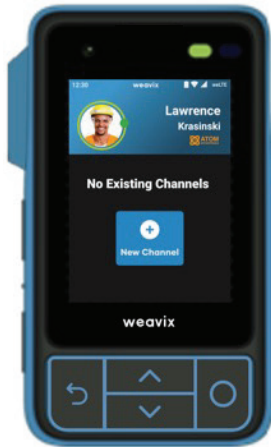
To **Log In**, the user will have four options from the **Welcome** page with a 2-step authentication to perform.



- The blue highlighted icon is where you are on the screen.
- Use the "up" or "down" buttons  to navigate on the page.
- To use this **Login** option, simply "tap" your assigned site badge on the walt™.



Home Page



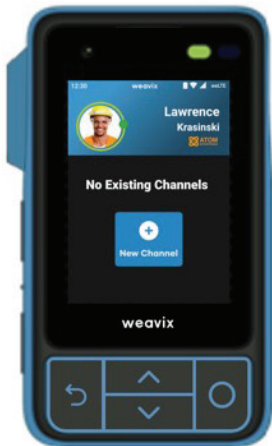
On the home page, the user will see the following displayed:

- Full Name
- Profile Picture
- Company User is Associated With

QR Code Registration



To use this **Login** option, simply use the **select**  button and the camera will activate and scan the users' personally assigned QR code.



On the home page, the user will see the following displayed:

- Full Name
- Profile Picture
- Company User is Associated With

Phone Number Registration

Once the user enters their phone number, the system will immediately send the user an authentication PIN number.



- Enter your 4-digit Pin on the screen using the keypad. The green check mark  indicates where the user is on the screen.
- To navigate around the screen, use the Up/Down buttons .
- Once PIN number has been entered, press the  button to confirm and move to the home screen.

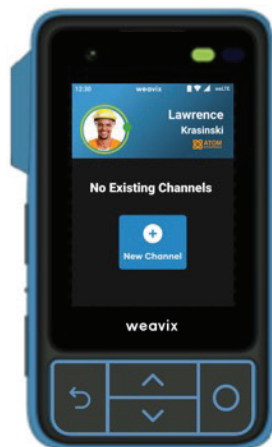


Email Address Registration



To use the email address **Login**, press the  button to enter the email page.

- To navigate around the screen, use the Up/Down buttons  then press the  button.
- On the email page, use the keypad to type in the user email address (per registration) and press the .
- The green check  indicates to select the digit that is highlighted.
- The user will be sent a 4-digit Pin via email. Enter the PIN on the walt screen using the keypad.

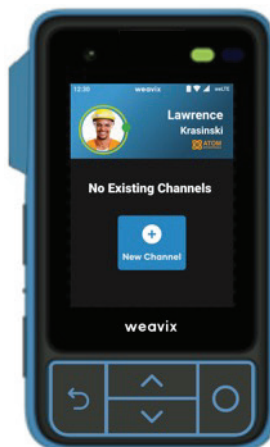


On the home page, the user will see the following displayed:

- Full Name
- Profile Picture
- Company User is Associated With

Creating New Channels

The Company site can have preselected channels set up after you log in for the first time. These channels will show up under the user status bar. Each user has the ability to create new channels by following the process below:



- From the user's **Homepage** push the  button



- From the menu page, select the New Channel button



Adding a New Contact



- On the Add Person page, the user can search by company or craft to quickly locate the other users they would like to add to their contacts. Use the  button to scroll through the directory.
- As you scroll down, the user can decide to search by **Company**, or search by **Craft**. As the user continues to scroll, the user will see all people listed that have been added to the user's contact list. At anytime the user can highlight a person's name and use the **Push-to-Talk button** on the left side of walt or type a message.



- Another option is to search by speaking directly into the walt.
- Go to the **Add Person** Page and push the PTT **Button**. 
- If the person is in the **Contact List** they will appear in the search results.
- Once the person is selected, they will be highlighted in blue. The user can then send a PTT(voice) or type a message.



- Once you send the first message to a selected contact from the Contacts List, they will need to accept the connection request and respond to make the channel connection.



Search for contacts by **Company**

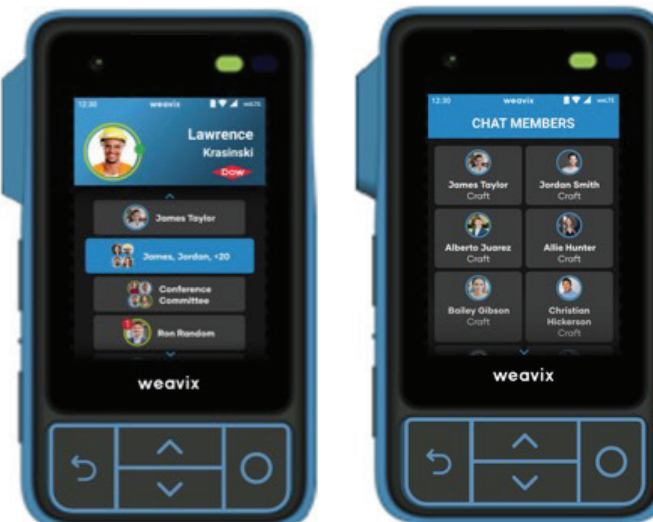
- Use the down button  to company. Select company  per user acces.
- The Contact List will be sorted by people listed by the selected company.



Search for contacts by **Craft**

- Use the down button  to craft. Select craft  per user access.
- The Contact List will be sorted by people listed by the selected craft.

PTT Push-to-Talk



- From the user Homepage, push the select button  and see all the members in the specific channel. The user can scroll through the members of the channel using the Up/Down Button .



- To send a message, push the **PTT** button. 
- This page will show the conversation among the group of people on the channel.
- To replay a message, push the **Select** button to listen to the message. 

Camera



- During the conversation, a user has the ability to take a picture and send it to the channel or an individual contact.
- Use the  **Up/Down** button to select the camera icon and push the **Select** button .
- Once the camera is selected, it will be in the default forward facing position.
- The user can switch video  or change the camera direction (ref. diagram 2) .
- Push the Select button  to take a picture.



- Confirm the picture.
- The **Red X** allows you to retake the picture
- The **Green**  checkmark means you approve of the picture.
- Push the **Select Button**  to send the picture.

Send a Page



- To page a contact or send a page to a channel, press **Select** 
- While on the channel use the **Up/Down**  button to page and push **Select** 
- Once a page is deployed, the walt of the contact will ring and the walt will verbally announce the name of the user who sent the page.

Details



- The Details allow the user to see all members of the channel along with any chat media that has been exchanged.

Badge



- The Badge page allows the user to see if they are “Cleared” or “Not Cleared” to be in a specific area at the site.

- Use the **Up/Down Button**  to select **Badge**  then push **Select** 

Menu Page



- Throughout this User Manual, the **Menu** page has been covered within the step process.
- To navigate through the Menu page use the **Up/Down**  and **Select** 
- Refer to the above step to navigate the specific icon processes.

Settings



- The Settings page allows the user to see the updated Firmware, Set up Wi-Fi, and review the signed-in account information.
- Select **Settings** then push the **Select** 
- Use the **Up/Down**  to pick from the list. For example, **Account** and push **Select** 
- The last screen shows the user's account information.

Table 3. Software Name and Definitions

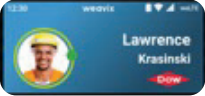
Pictograms:	Name:	Definition:
	Power	Use to turn walt on or off.
	Login	To sign into walt, personal phone or QR after setup.
	Logout	To sign out of walt.
 	QR Code	A specifically generated code for scanning with walt.
	Status Bar	Top of walt screen that displays time, LTE connection, Wi-Fi connection, battery percentage.
	Number & Keypad	Used to enter numbers & words into walt.
	Green Check	To proceed by pushing the Select button (see hardware section).
	Personal Profile	Status bar showing current user's profile picture.
	User Connection Selection	Channel connections for communication. Can be group or single.
	Blue Checkmark	Selected, can be a channel partner or company.
	Search	Search for contacts or companies per user permissions.
	Company	The company you have permission to access.
	Craft	A specific skill a worker has qualifications to perform work.
	New Channel	To add a new connection per the contact list and permissions.
 	Camera	Select camera
  	Badge	Identification of walt user

Table 3. Software Name and Definitions

Pictograms:	Name:	Definition:
	Switch Camera Views	To select the forward-facing or rear-facing camera
	Microphone Activated	Mic activated using the PTT button (see to Hardware section)
	Hotspot	Tether LTE service to another device
	Badge	Identification of walt user
	Settings	A list of walt device settings based on user permissions
	Selected Company	Selected company per walt user permission
	Red X	Picture or Video reject or retake
	Email	To enter user's email address
	Page	To send or receive a page from a channel or contact
	Phone	To enter user's phone number

Troubleshooting

- If you can not resolve an issue after referring to this guide, please contact your system administrator or contact weavix support at **+1 316-844-5144**

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