

WAVE 3

EXT3L

V3

Wireless smart videophone With fingerprint reader

Ref. 720337

EN



HOTLINE

3 YEARS

WARRANTY

INSTALLATION AND USER MANUAL



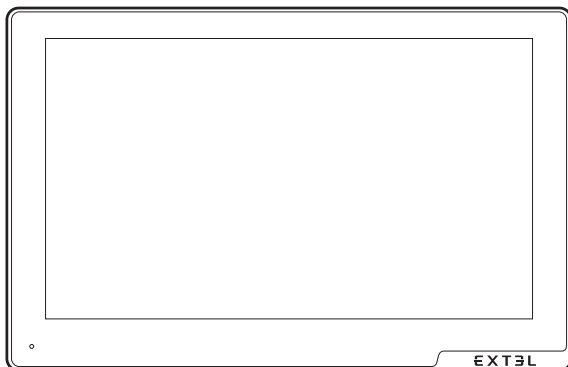
CONTENTS

A - KIT CONTENTS	05
B - DESCRIPTION OF THE MONITOR	06
C - DESCRIPTION OF THE INTERCOM PANEL	07
D - INSTALLATION	09
1 - Wiring (optional)	
2 - Installing the monitor	
3 - Installing the intercom panel	
E - OPERATION	18
F - MONITOR USER MANUAL	19
1 - Navigating the menus	
2 - Log menu (photo/video)	
3 - Settings menu	
4 - WiFi menu	
5 - Reset menu	
G - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE	26
1 - Preparing the videophone	
2 - Pairing your videophone with a smartphone	
3 - In the event of a call	
4 - Interface functions	
5 - Settings accessible in the application	
H - OTHER FUNCTIONS	38
1 - Charging the batteries	
2 - Reconnecting the intercom panel	
3 - Pairing the repeater (Optional, ref. 720348)	
I - TECHNICAL SETTINGS	45
J - WARRANTY	46
K - SAFETY INSTRUCTIONS	47
L - EU REGULATION 2023/2854	48
M - DECLARATION OF CONFORMITY	49

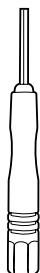
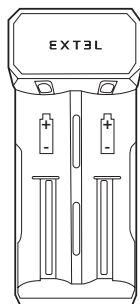
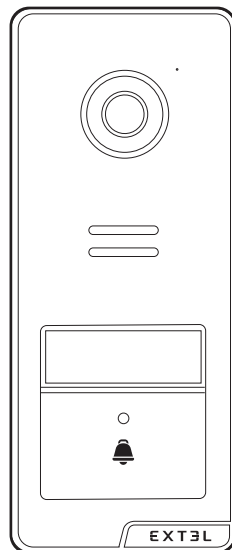


Thank you for choosing **the Extel Wave 3 videophone.**

1 x1



2 x1



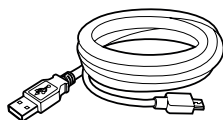
3 x1

5 x1

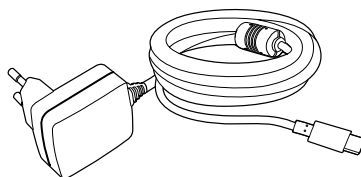
6 x6

7 x6

8 x1



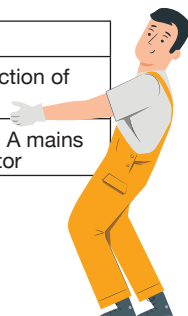
4 x1



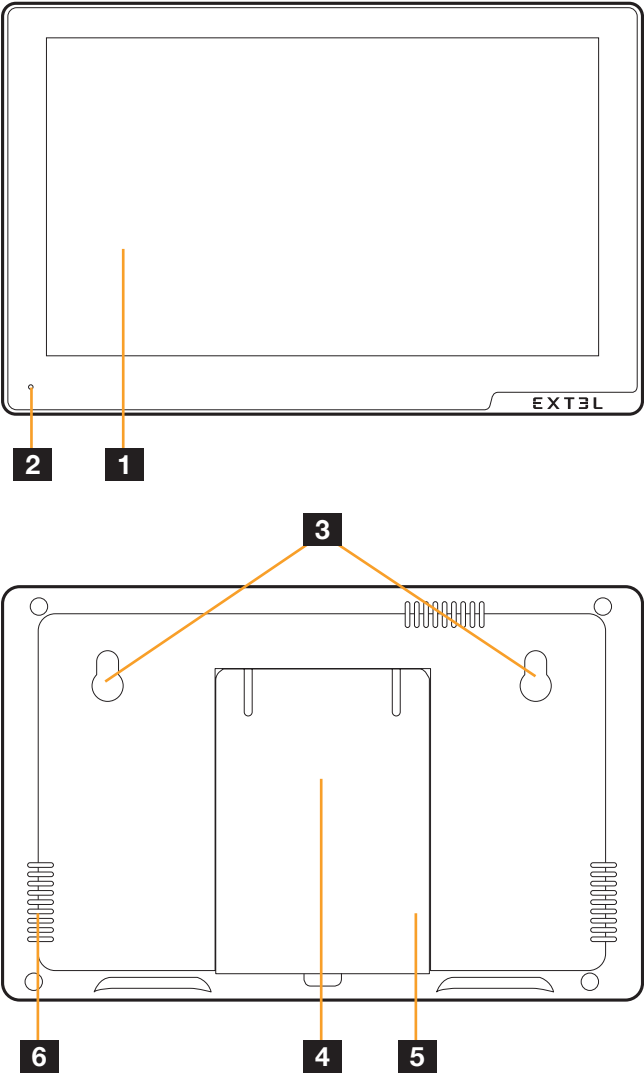
9 x1

1	Monitor
2	Intercom panel
3	USB charger for intercom panel batteries
4	USB C cable for USB charger
5	Hexagonal screwdriver 1.5 mm
6	Screws for attaching the monitor and intercom panel

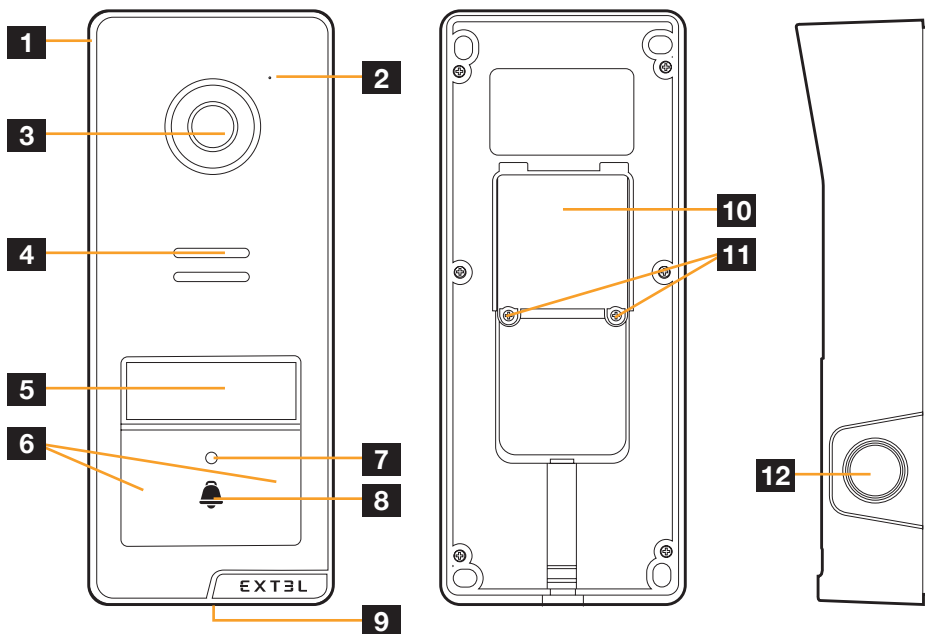
7	Wall plugs
8	Terminal block for wired connection of the intercom panel
9	100-240 Vac 50 Hz – 5 Vdc 1.2 A mains adaptor for powering the monitor



B - DESCRIPTION OF THE MONITOR



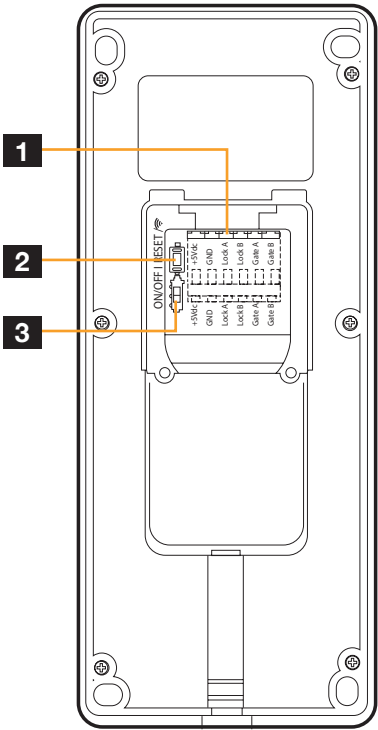
1	Touchscreen
2	Microphone
3	Holes for mounting the monitor on the wall (if required)
4	USB C power socket for the mains adaptor supplied (under retractable stand)
5	Retractable stand for installation on a flat surface
6	Loudspeaker



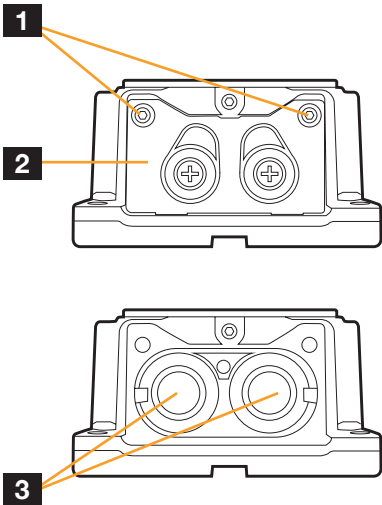
1	Protective shield
2	Microphone
3	Lens
4	Loudspeaker
5	Backlit name holder
6	Infrared LEDs for night vision
7	Brightness sensor
8	Call button
9	Screw for locking the front panel to the intercom panel
10	Protective cover for accessing the on/off switch, terminal block and reset button
11	Protective cover locking screw
12	Fingerprint reader

Important: The locking screw must not be removed. To remove the front of the intercom panel, unscrew the screw using the tool provided. The screw will go in instead of out when you unscrew it: this is normal. Do not force the screw once it has been retracted: risk of damage.

C - DESCRIPTION OF THE INTERCOM PANEL



1	Base for 6-wire terminal block (included with mounting hardware)
2	Intercom panel reset button
3	On/off switch

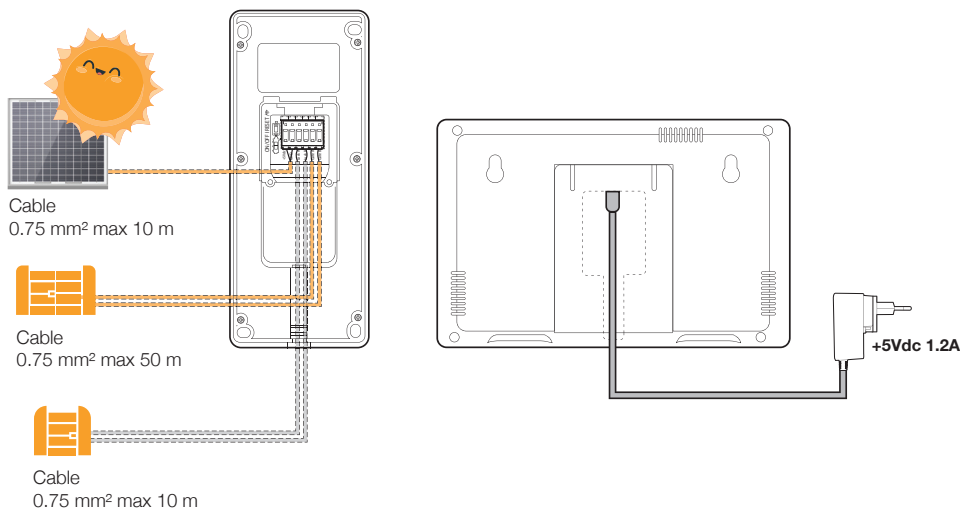


1	Screw for closing the battery compartment cover
2	Battery compartment cover (only needs to be removed to recharge the batteries manually using the charger supplied)
3	Batteries (inserted in the product, with the + pole facing outwards/ bottom as shown)

1 - WIRING (OPTIONAL)

Use wires with a cross-section of 0.75 mm² to connect the control contact of a gate motor drive or a 12 Vdc electric strike plate to the intercom panel of your videophone.

You can also connect a solar panel (optional, not included, Extel part no. 720338) to charge the battery using solar energy if the installation has sufficient orientation and sunlight, the ideal case being a panel facing due south with a 30° angle to the ground. If the installation or the amount of sunlight do not allow for 100% solar operation, the panel will nevertheless help space out the charging of the intercom panel batteries. The monitor is powered by the USB C adaptor supplied.



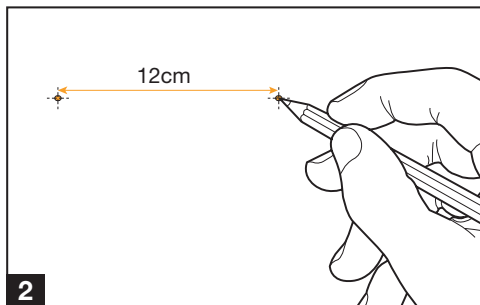
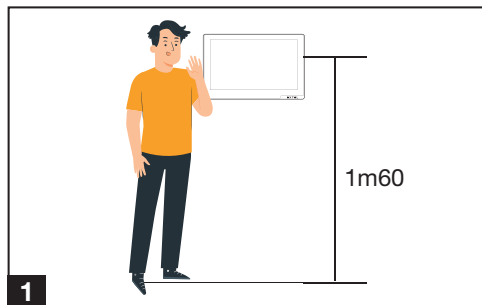
- You can connect and use a 12 Vdc electric emission strike plate with mechanical memory (not supplied) with a maximum current of 0.5 A with your intercom panel. As the intercom panel powers the electric strike plate, there is no need for external power supply if your electric strike plate complies with the above specifications.
- You can connect the gate output of your intercom panel to the dry contact control input of a gate motor drive (e.g. input for key contacts). Please refer to your gate motor drive manual to find out more.

Please note:

- The intercom panel only sends control pulses to the gate motor drive; it cannot tell whether the gate is open, closed or moving. It is preferable to activate the automatic closing of your gate motor drive if your motor drive and your installation allow it.
- If your gate motor drive has several control inputs, typically full open/close and pedestrian open/close, you will need to choose one of them during installation.

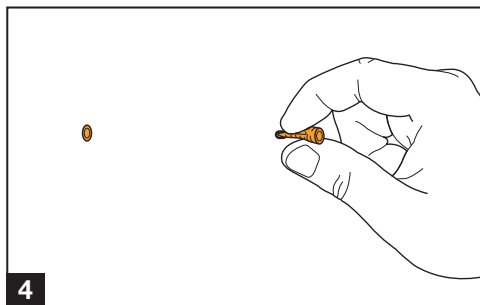
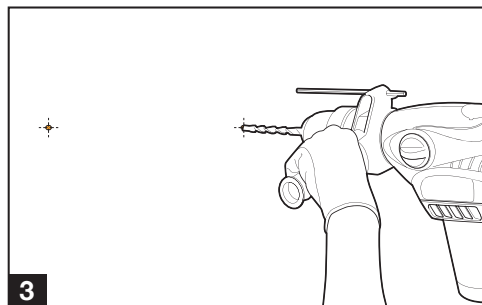
2 - MONITOR INSTALLATION

The monitor can be placed on a flat surface using the retractable stand at the rear, or mounted to the wall using the screws and plugs supplied.



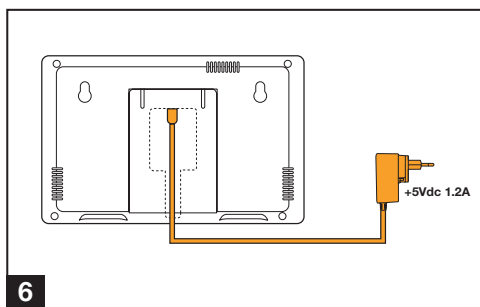
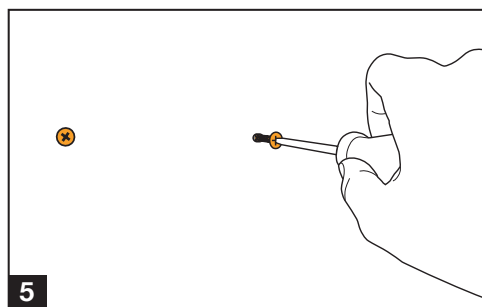
1 - Install the monitor screen so that it is around 1.60 m high.

2 - Mark the location of the drill holes.



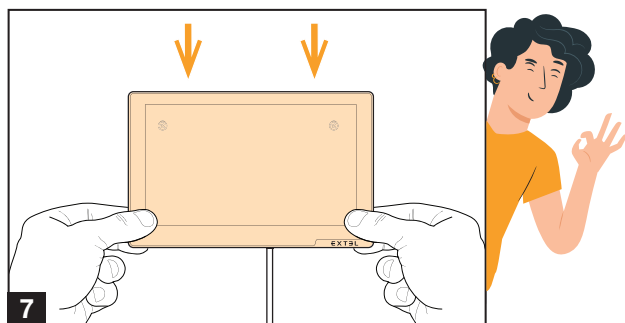
3 - Drill the wall.

4 - Use plugs adapted to the type of bracket (those supplied are suitable for solid walls).



5 - Tighten the screws in the plugs, making sure the head of each screw sticks out of the wall by a few millimetres.

6 - Connect the power supply in accordance with the wiring diagram.



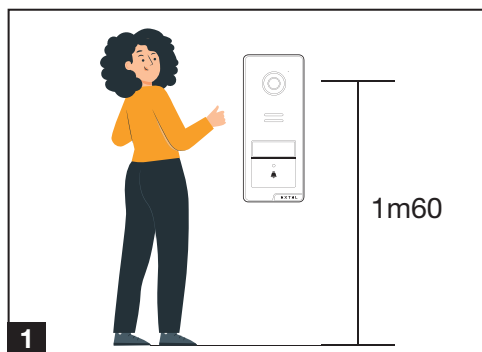
7 - Position the monitor on the previously installed screws.

3 - INSTALLING THE INTERCOM PANEL

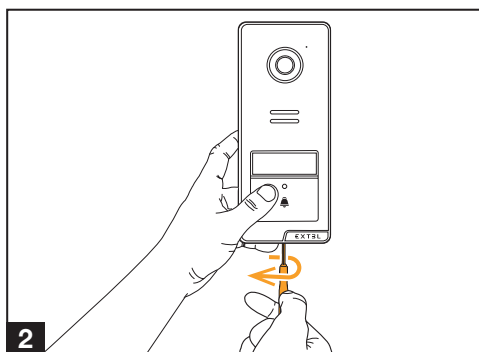
Before finally positioning the intercom panel, please check that the quality of the radio link is good enough for correct operation. The range of your videophone is 350 m in open air, with no obstacles or interference. **Any obstacle between the monitor and the intercom panel will reduce the maximum transmission range.**

The intercom panel and monitor in your product have been pre-paired at the factory, so there is no need to pair them.

Note: If you test your product before installing it, put the monitor on a flat surface and make sure not to test it with the intercom panel and the monitor in the same room. If you do so, the videophone will emit a piercing sound (feedback effect).



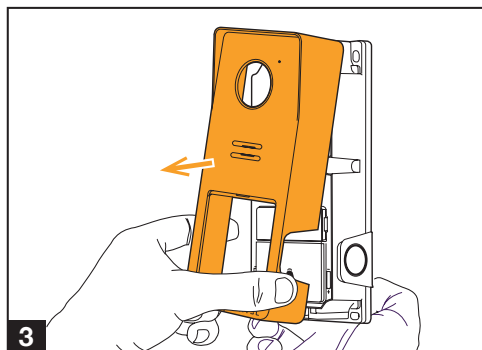
1 - The lens of the intercom panel must be placed at a height of around 1.60m.



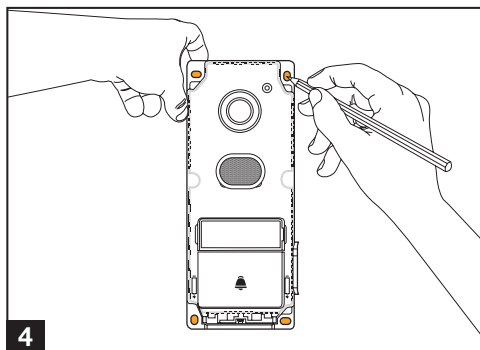
2 - Remove the screw under the intercom panel.

Important: The release screw must not be removed. To remove the front of the intercom panel, unscrew the screw using the tool provided. The screw will go in instead of out when you unscrew it: this is normal. Insert the screw all the way into the intercom panel and do not exert excessive force on the screw once it is in: risk of damage.

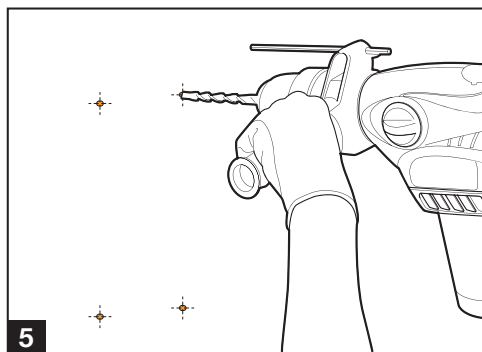
D - INSTALLATION



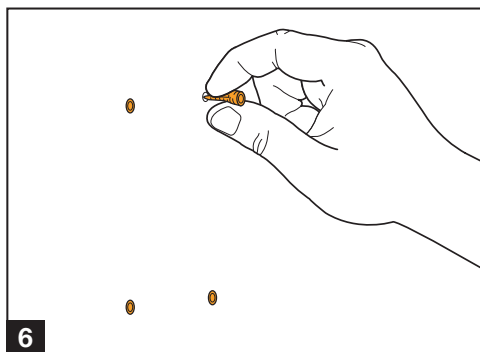
3 - Tip the bottom of the intercom panel cover forward.



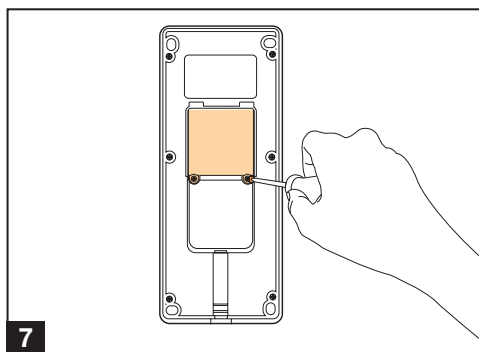
4 - Mark the position of the 4 holes on the wall.



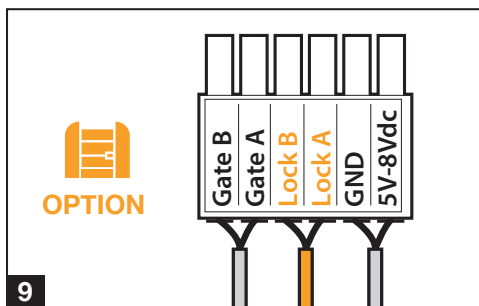
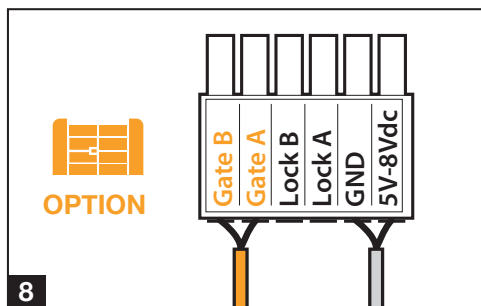
5 - Drill.



6 - Use plugs adapted to the type of bracket (the plugs supplied are suitable for solid materials).

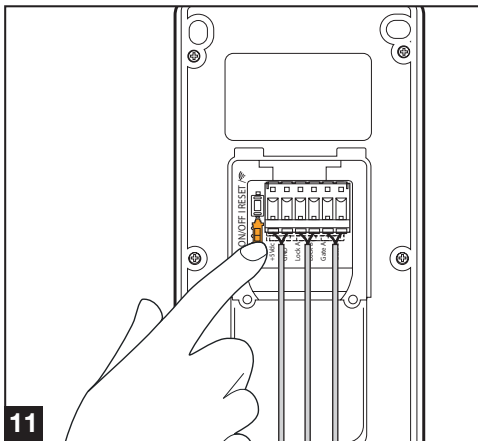
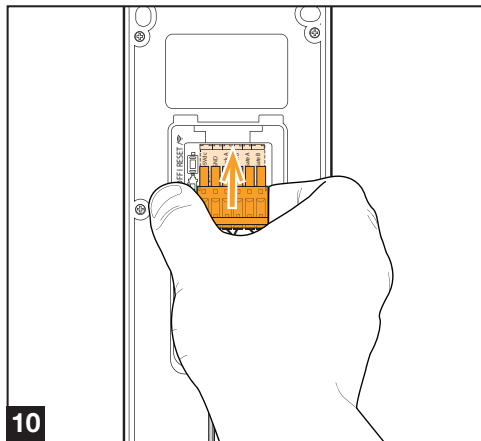


7 - Open the protective cover at the back of the intercom panel to access the on/off switch.



9 - If necessary, wire the gate motor drive (optional, not included) in the 2 holes provided. Each cable must be stripped to a length of 10 mm for correct insertion and retention.

10 - If necessary, wire the electric strike plate (optional, not included) in the 2 holes provided in the snap-in terminal block supplied. Each cable must be stripped to a length of 10 mm for correct insertion and retention.

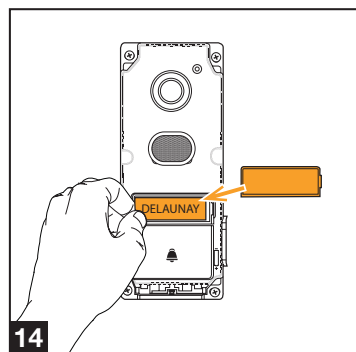
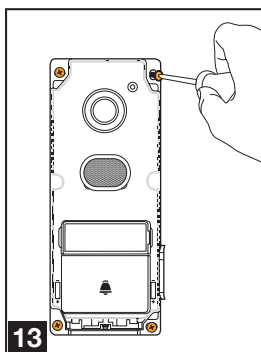
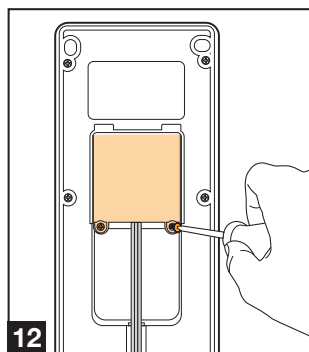


11 - If connections have been made, push the snap-in terminal block into its base in the intercom panel. The connector has a coded pin. The side of the terminal block with the location label must face the intercom panel. Do not force the terminal block if it does not fit.

12 - Switch the on/off switch to the “on” position to switch on the intercom panel. When powered up, the intercom panel switches on its name holder and call button backlighting.

Please note: when power is switched on, the call button sensor is calibrated. Do not cover the call button or expose it to direct sunlight to prevent calibration errors.

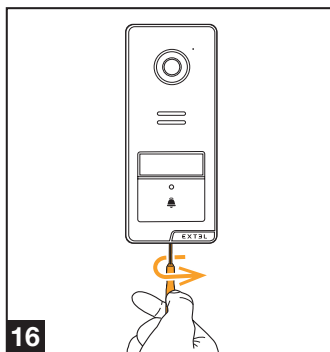
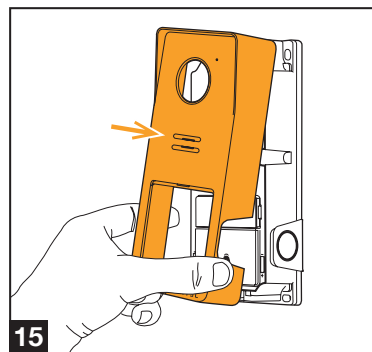
D - INSTALLATION



13 - Position and screw on the protective cover at the back of the intercom panel.

14 - Secure the intercom panel to the wall using the screws supplied.

15 - Install the name label in the name holder.



16 - Put the front cover back onto the intercom panel, starting with the top part.

17 - Tighten the screw under the intercom panel to lock the front panel to the intercom panel.



You can now power on the system monitor. When the power is switched on, the Extel logo appears on the monitor.

Important:

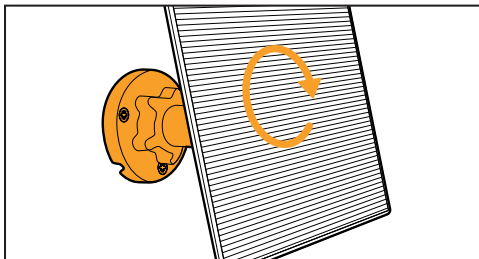
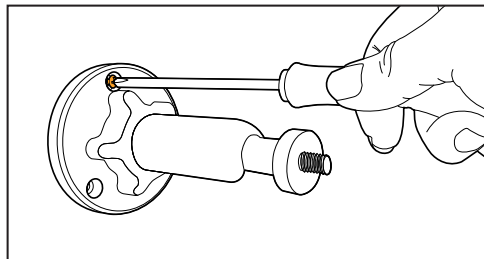
- The maximum distance between the intercom panel and the electric strike plate or electric lock is 50m.
- The wire size to be used is 0.75 mm².
- The electric strike plate to be used is a 12 V/0.5 A max emission strike plate with mechanical memory.
- The maximum distance between the intercom panel and the gate motor drive is 50m. The wire size to be used is 0.75 mm².
- Other colours are available as accessories to personalise the colour of the front of your intercom panel. Visit your usual dealer or go to www.maisonic.com to find out more.

4 – INSTALLING THE SOLAR PANEL (OPTIONAL – REF. 720338)

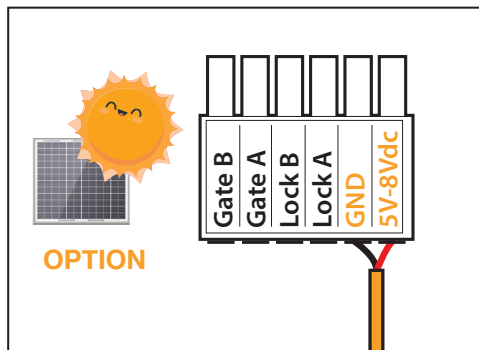
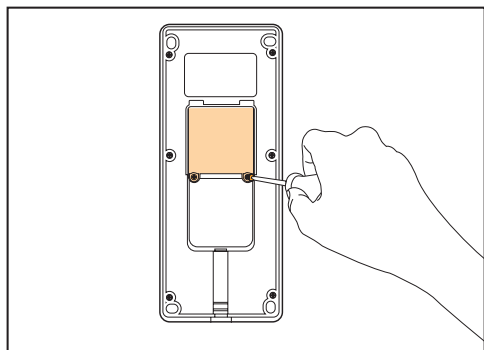
Attach the solar panel using the installed mounting holes.

Check the distance between the panel and the intercom panel before attaching it.

Do not lengthen the solar panel wire, as this will affect its performance.



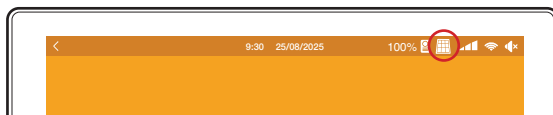
Important: To ensure optimal charging of the solar panel, we recommend a south-facing position, tilted 30° upwards. Any other position will be less effective and may render the charge insufficient if the intercom panel is used a lot. It is also essential to install the solar panel in an open space where no shade can fall on the panel. To use the solar panel, the batteries must be left in the intercom panel.



Wire the solar panel (optional, not included) in the 2 holes provided in the snap-in terminal block supplied. Maintain the polarity: the red terminal on the solar panel wire is for the “5 v-8 Vdc” input, while the black terminal is for the “GND” input.

Please note: do not connect or disconnect the solar panel while the intercom panel is powered (on/off switch in “on” position).

Note: when the solar panel is connected and exposed to the sun, the  indicator shows this on screen.

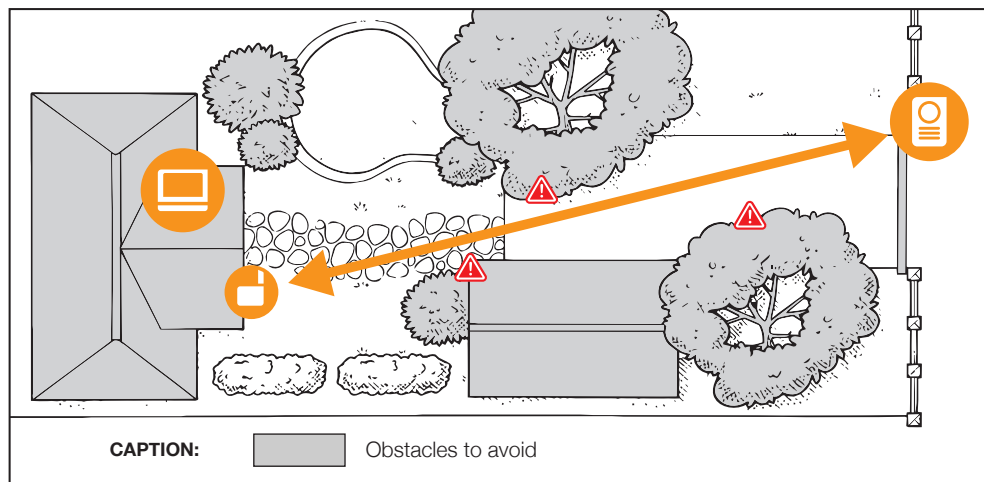


5 – INSTALLING THE REPEATER (OPTIONAL – REF. 720348)

If you experience reception problems, you can extend the radio signal range by installing a repeater (ref. 720348).

Important: The best place to install the repeater is on the front of your house, rather than halfway between the monitor and the intercom panel.

If there are any obstacles in the straight path between the repeater and the intercom panel, feel free to move the repeater a few metres to the left or right to reduce the number of obstacles and improve performance.



The radio repeater for WAVE 3 wireless Videophone is compatible exclusively with the WAVE 3 videophone (720337). You won't be able to use it with older generation WAVE videophones or with older models of EXTEL wireless videophones, or with any other device, even if they operate on the same frequency band.

The radio repeater for WAVE 3 wireless Videophone is mains-powered only.

It cannot be powered by a solar kit. There needs to be a power outlet at the device's installation location.

The repeater is designed to pick up and repeat, with a strong signal, the information exchanged between the intercom panel and the screen.

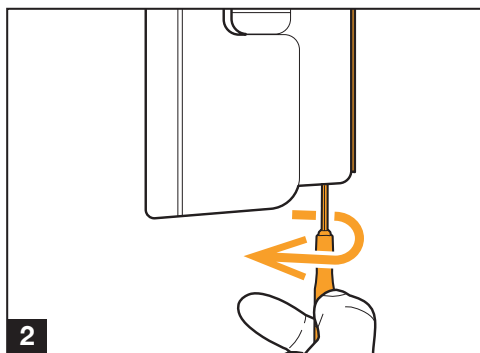
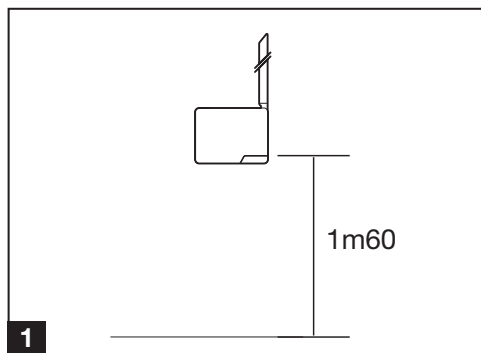
The repeater retransmits the information it receives. That is why it must not be placed too far from the screen; otherwise, the device may repeat a signal that has already been distorted.

The repeater boosts the signal over long distances and allows the radio signal to be routed around any major obstacles between the intercom panel and the screen.

1 - The repeater must be positioned at a height of approximately 1.60 m.

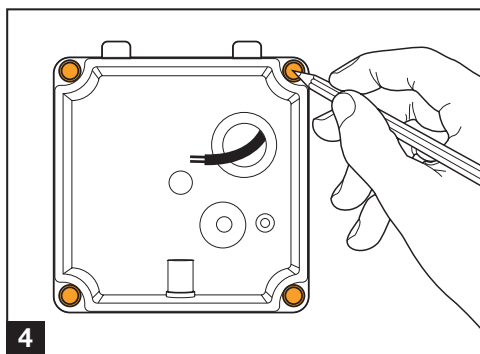
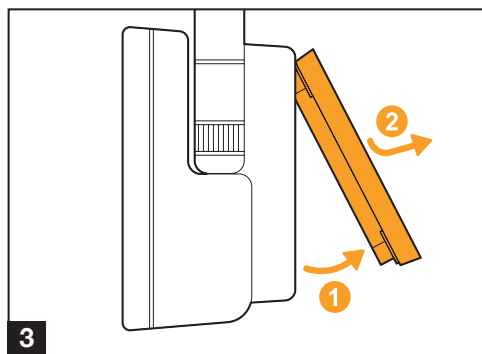
2 - Unscrew the screw underneath the repeater.

Ensure the electrical installation is safe before you start to install the repeater.



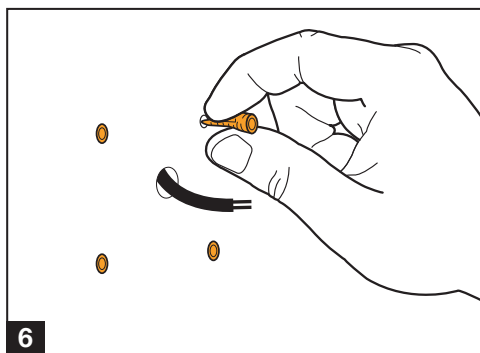
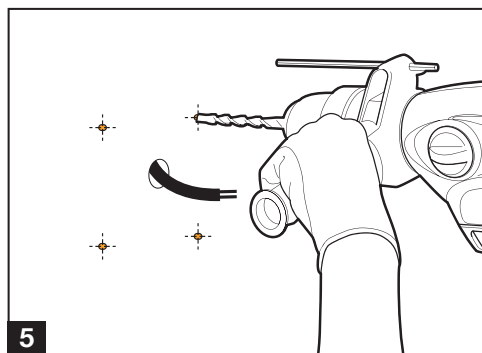
3- Remove the back cover of the repeater

4- Mark the position of the 4 holes on the wall. 6 mm drilled hole



5 - Drill.

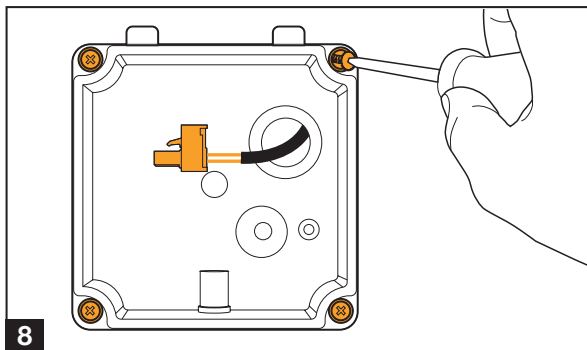
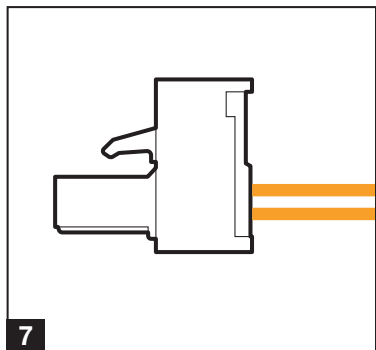
6 - Use pegs adapted to the type of bracket



7- Connect the 230 V power supply to the connector

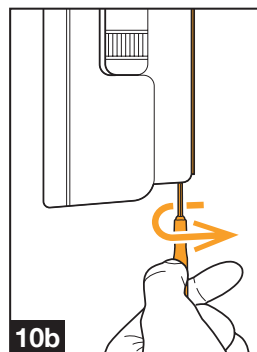
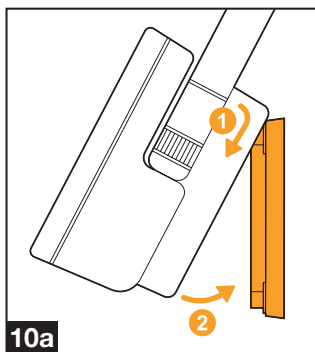
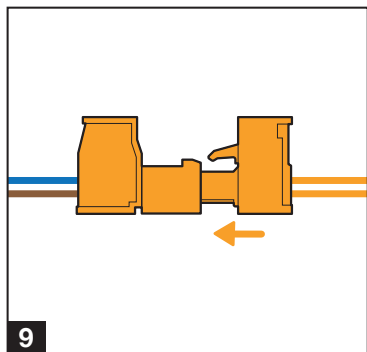
8- Screw the repeater bracket to the wall

E - OPERATION



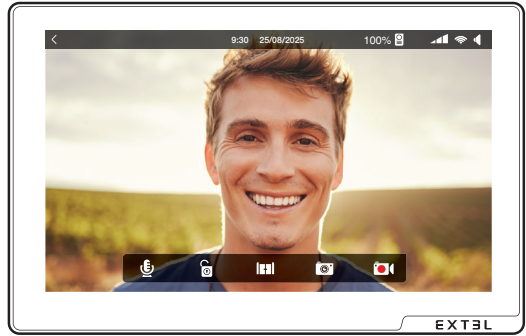
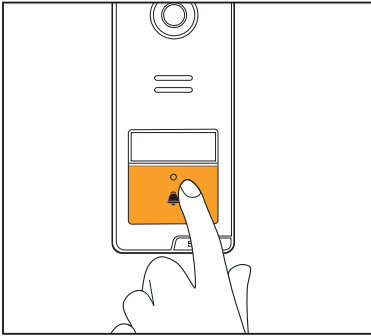
9 – Connect the power connector

10- Put the repeater back on its bracket and tighten the locking screw



You can switch on the repeater; the red indicator light on the repeater should start flashing.

Refer to section “3- PAIRING THE REPEATER (OPTIONAL, REF. 720348)” to put the repeater into operation.



The call button and name holder are lit for the duration of communication with the screen or smartphone, following a call, or while the live image is being displayed on the smartphone or monitor.

When the intercom panel is called, the screen rings for 20 s. The ringer switches off automatically after this time or if you press the  icon on screen.

- To establish audio communication with the intercom panel, press the  icon once in the banner at the bottom of the screen.
- To end or refuse the call, press the  symbol at the top left of the screen.
- To open access, while communication is established with the intercom panel, press the  icon once to open the electric strike plate or the  icon to trigger the gate motor drive.

In the event of a call, and without any action on your part, the screen will display the video from the intercom panel for 30 seconds before returning to standby.

When using **monitoring mode** (displaying the image without a call from a visitor), the screen will display the video for 30 s before returning to standby. The duration of the video is extended to 1 min if the call is answered.

To save a photo or video while communicating with the intercom panel, press the  icon or the  icon.

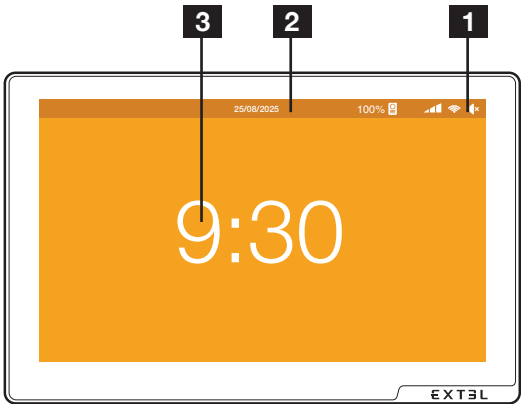
To trigger an electric strike plate or gate motor drive from the videophone, but without having received a call, press the screen to display the menus and then click on .

Once the video from the intercom panel is on screen, press the  icon or the  icon as required.

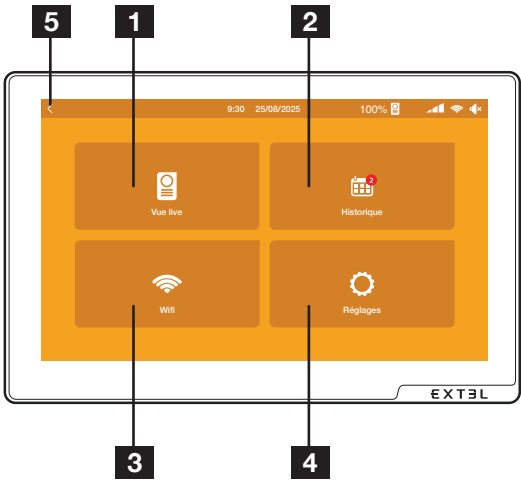
1 - NAVIGATING THE MENUS

Note: when starting up your product for the first time, the monitor will first tell you where to find these instructions (QR code to be scanned), before asking you in which language and on which WiFi network to operate. Once you have completed (or postponed) these steps, the main screen display appears (current date and time).

The **Extel Wave 3** monitor screen is touch-sensitive. The settings menus can be accessed by clicking on the main screen:



1	Notification zone (WiFi and Internet connection status, sound volume status).
2	Current date: If the product is connected to the Internet and associated with the Extel Connect application, the time and date are automatically controlled by the network.
3	Current time

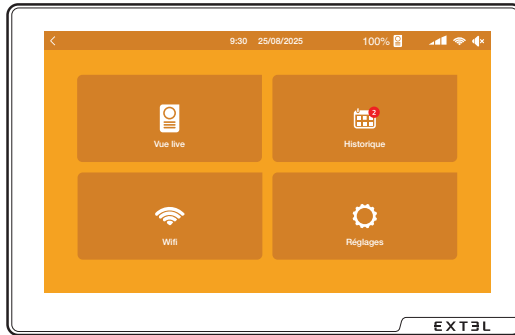


1	View the image in real time from the intercom panel
2	Access to photos and videos captured in your absence during visitor calls
3	Access to settings
4	Access to the device settings menus
5	Return to previous menu

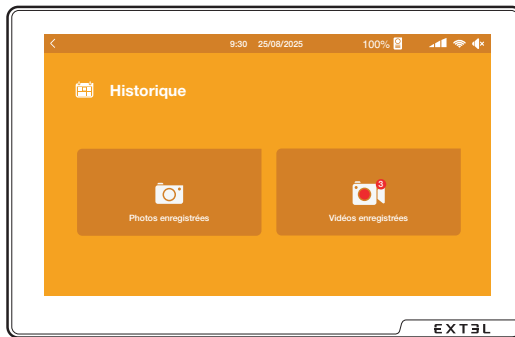
2 - LOG MENU (PHOTO/VIDEO)



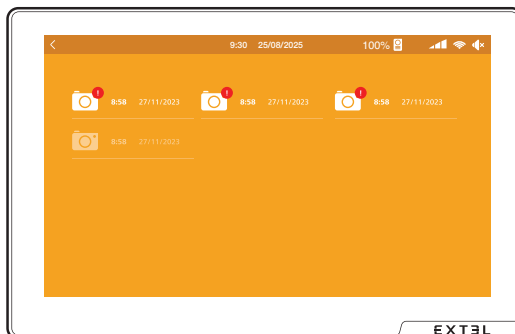
In the event of missed calls, if you have activated photo-taking or video-recording in the monitor settings, the monitor will indicate the presence of unwatched recordings from the main page:



Click on the **“Historique”** (Log) icon to access the photo and video recordings in the monitor's internal memory:



Next, select whether you want to view the photos or videos taken while you were away:



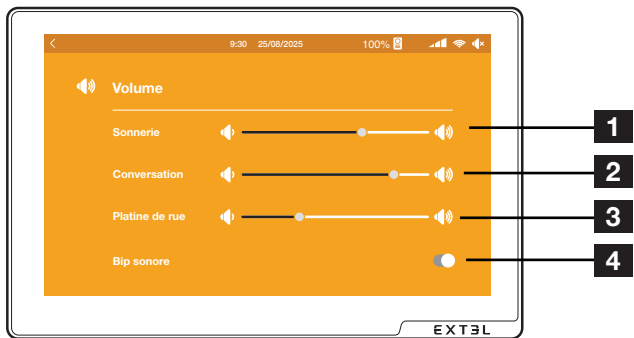
The time and date the photo was taken or the video was recorded are shown. Click on one of the files to display or play it.

3 - SETTINGS MENU



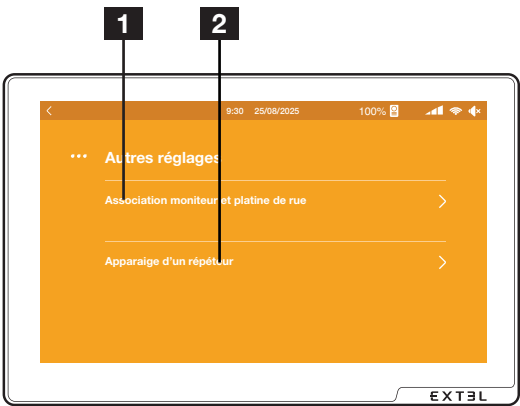
1	Selects the type of recording when the intercom panel call button is pressed: photo, video or disabled.
2	Mute function: allows you to mute incoming call chimes while maintaining the rest of the videophone's functions. A time slot can be programmed if required. Example: no chimes from 11pm to 6am. Please note that mute mode also mutes incoming smartphone calls.
3	Sets the sound volume of monitor chime, monitor during a call, intercom panel during a call. Activates/disables screen beeps when the touchscreen is pressed.
4	Selects the monitor chime for incoming calls. 6 chimes are available, plus 2 customised .mp3 chimes that can be added via the mobile application.
5	Adjusts luminosity, contrast and colours of the intercom panel image.
6	Instructions for charging the intercom panel battery.
7	Selects the monitor's display language.
8	Sets time and date. The settings are greyed out here as the monitor is connected to the Internet: its time and date are automatically set by the network.
9	Pairing the monitor with the intercom panel.
10	Resets the photo/video memory or the entire device. Recalibrates the call button sensor. Current firmware version.
11	Return to previous Menu.

3-1 - VOLUME MENU



1	Monitor chime volume. Click on or on the edges of the bar to adjust the volume.
2	Volume of the monitor loudspeaker during a call. Click on or on the edges of the bar to adjust the volume.
3	Volume of the intercom panel loudspeaker during a call. Click on or on the edges of the bar to adjust the volume.
4	Activates/disables beeps when you click on the screen.

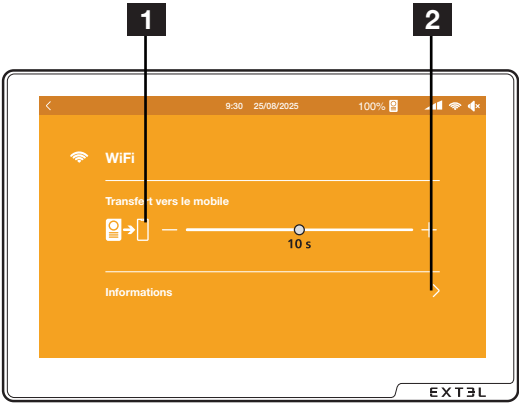
3.2 - ADVANCED SETTINGS (OTHER SETTINGS MENU)



1	Intercom panel re-pairing menu
2	Repeater pairing menu

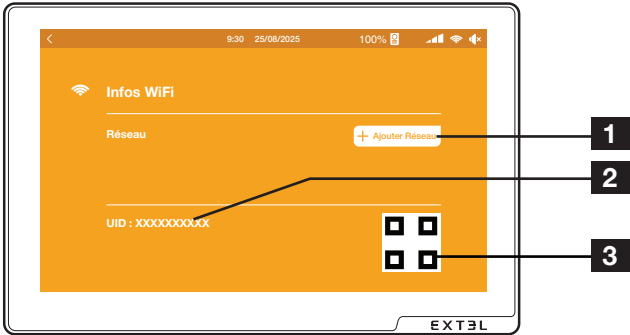
Please note: the monitor and intercom panel are factory-paired. This menu is only useful if the pairing has previously been deleted.

4 - WIFI MENU



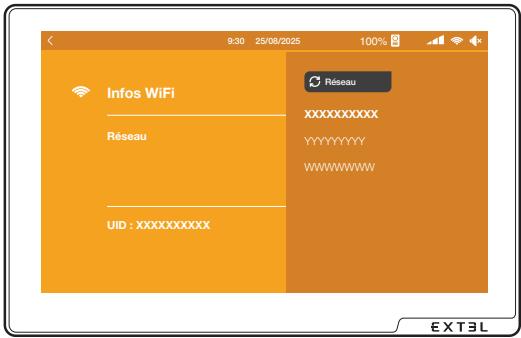
- | | |
|---|---|
| 1 | Sets the delay between the monitor chime and the chime on the mobile application: the delay can be set from 0 to 20s to give occupants time to respond when a visitor is present. To change the offset time, click on the  or  icons. |
| 2 | WiFi network and Internet connection settings. |

A click on the arrow at the bottom right corner of the screen brings up the WiFi and Internet settings:



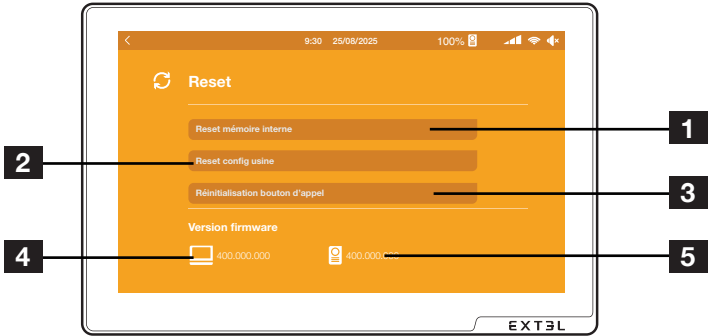
- | | |
|---|---|
| 1 | WiFi network in use: click on this area to display the surrounding networks menu and select one. |
| 2 | Unique product identifier. |
| 3 | Unique product QR Code: this QR Code will be requested by the application during set-up using the Extel Connect application.
Please note: this QR Code will only appear if the monitor is connected to WiFi and the Internet. If the QR Code is missing from this page, check your network. |

By clicking on the name of the network in use, or on the “Ajouter réseau” (Add network) button if you are not yet connected to any network, the monitor displays a list of surrounding networks.



Click on the desired network and enter the key (password) for your network to connect your videophone.

5 - RESET MENU



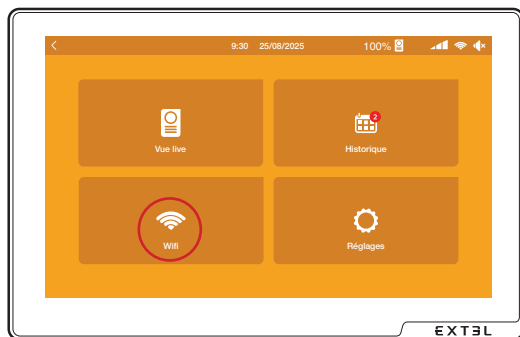
1	Internal memory reset: deletes the contents of the device's photo and video memory.
2	Factory config reset: resets the entire videophone, deleting the WiFi configuration and the contents of the photo and video memory and resetting all the videophone's settings to their default values. Deletes all fingerprints stored in the intercom panel.
3	Call button reset: recalibrates the call button. Please note: do not cover the call button during recalibration, and do not start recalibration if the sun is facing the intercom panel, to prevent calibration errors.
4	Firmware version of the monitor.
5	Firmware version for the intercom panel.

F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

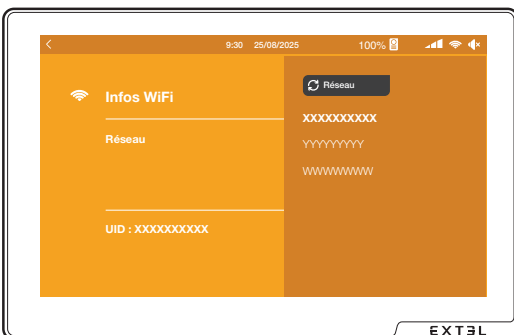
1 - PREPARING THE VIDEOPHONE

When connecting for the first time, you need to pair your **Extel Wave 3** videophone with your smartphone. When the monitor is switched on for the first time, you will be prompted to do this immediately after selecting the language.

If you haven't already done so, connect your videophone to your WiFi network by going to the WiFi sub-menu, then click on the bottom right corner:



Next, click on the **“Ajouter réseau”** (“Add network”) button on the right to start detecting nearby WiFi networks:



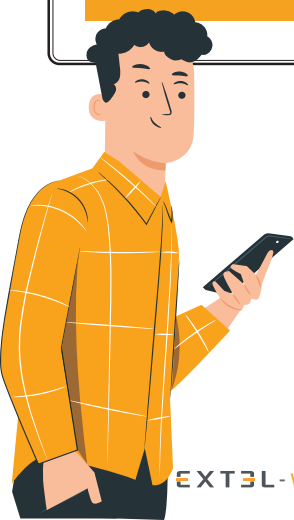
After a few seconds, the surrounding networks are listed on screen. Click on the desired network, then enter its key (password) and confirm to connect your videophone to WiFi and the Internet.

2 - PAIRING YOUR VIDEOPHONE WITH A SMARTPHONE

Install the **“Extel Connect”** application on your smartphone. The application is available free of charge on Google Play for your Android smartphone or on the App store for your iPhone.

Once your videophone is connected to your WiFi network and to the Internet, launch the application on the smartphone, having connected the smartphone to the WiFi network the videophone will use:

Please note: screenshots are from the Android version of the application. The iPhone procedure is identical. Download the **Extel Connect** application free of charge from Google Play or the App store.



F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

Please note: When you install your application, your smartphone will ask you for several authorisations. For your application to run smoothly, please accept them.

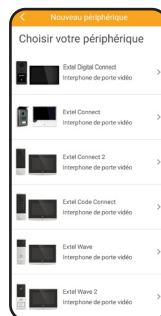
If your videophone is already connected to your WiFi network, it will be automatically detected by the application after a few seconds. Click on it. Make sure your smartphone is connected to the same WiFi network as the screen.



1. In the smartphone app, click on the “+” symbol.



2. Select “**Mon périphérique est déjà connecté à Internet**” (“My device is already connected to the Internet”).

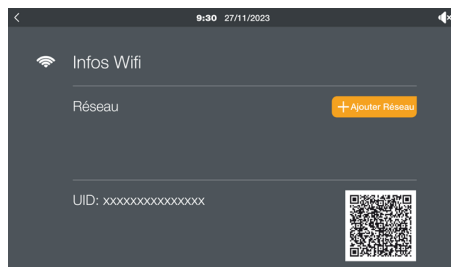


Otherwise select “**Extel Wave 3**”



Select “**aucun mot de passe défini?**” (no password set?). Scan the QR code in the product menu.

Then select “**QR Code Scan**”.



F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

The QR Code to be scanned appears in your monitor's advanced settings

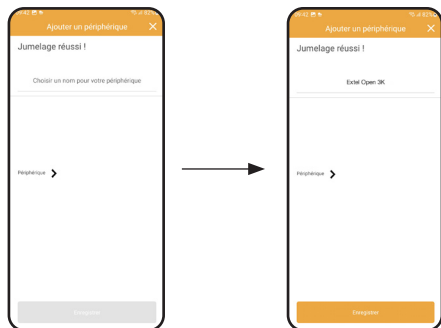
Remember: if no QR Code appears in this menu, your monitor is not connected to the Internet. Connect your monitor to the Internet before continuing.



3. Then scan the QR Code on your videophone's monitor screen.



4. If the scan of the QR code is correct, the application should find the Extel Wave 3 monitor. Press "**Ajouter**" (Add).



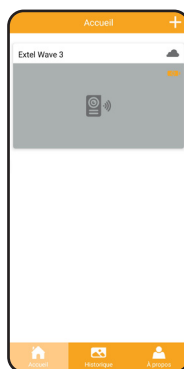
5. The message "**Jumelage réussi**" ("Pairing successful") should appear. Enter a name to identify your videophone and press "**Enregistrer**" (Save).

If the videophone is connected to the application for the first time, the app immediately asks you to create a 6- to 16-digit code to secure the connection:

Please note: the password must not contain consecutive identical numbers (e.g. 11-22-33-etc.)



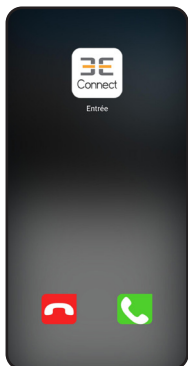
Create and copy the code of your choice, then confirm.



3 - IN THE EVENT OF A CALL

When the intercom panel is called, the smartphone will alert you:

1. If the smartphone is on standby, it will start ringing with the melody used when receiving a phone call. An **Extel** page appears in full screen with a green and a red button.

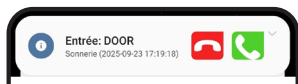


Pressing the green button opens the **Extel Connect** application to the “live view” page with live video from the intercom panel.

To speak to the visitor, press the  icon once to untick it.

Pressing the red button silences the smartphone and returns it to standby mode.

2. If the smartphone is out of standby and unlocked, a notification banner appears at the top of the smartphone screen with a green and a red button.



The smartphone also plays the ringtone normally used when making a phone call.

Pressing the green button opens the **Extel Connect** application to the “live view” page with live video from the intercom panel.

To speak to the visitor, press the  icon once to untick it.

Pressing the red button silences the smartphone.

Rejecting a call from the smartphone does not stop the ringing on the monitor.

Rejecting a call from the screen (by pressing the symbol at the top left of the monitor) mutes the ringing in the application, and a notification banner indicating that a call has been rejected appears on the smartphone.

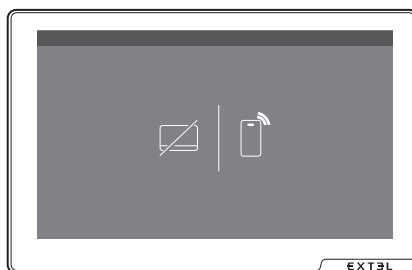


Accepting a call from your smartphone mutes the ringing of the monitor and puts it to sleep.

Accepting a call from the monitor mutes the ringing on the smartphone and a notification banner indicating that a call has been accepted appears on the smartphone.

It is not possible to view the video stream simultaneously from the monitor and the application.

If the video from the intercom panel is viewed from the application, the monitor will display a full-screen symbol indicating a communication in progress with the smartphone. In this case, it is impossible to access the monitor settings.



To manage access from the application, once the video has appeared in the application, press the

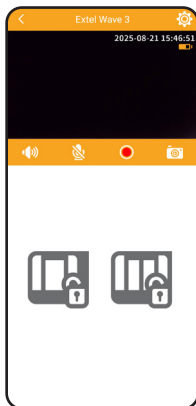
 or  symbol to trigger an electric strike plate or gate motor drive respectively.

4 - INTERFACE FUNCTIONS



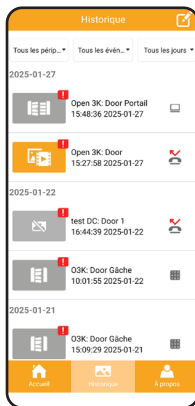
- Groups the various devices and enables you to switch to monitoring mode.
- Retrieves intercom activity and calls made
- "A propos" (About) tells you the application's software version
- Enables you to add a device
- Click on the image to enter monitoring mode

Monitoring mode



- Enables you to manage the videophone settings: name, password, WiFi network and access management.
- Activate/deactivate the sound
- Activate/deactivate the microphone
- Take a video that can be viewed in the log
- Take a photo that can be viewed in the log
- Open the electric strike plate
- Open the gate

Log mode



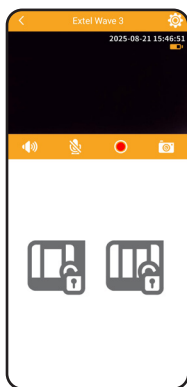
- Allows you to edit photos/videos (delete and select all).

Tous les périphéri... Tous les événem... Tous les jours

Allows you to sort photos/videos.

- The icons on the right give you additional information: source (mobile application, intercom panel fingerprint reader, monitor) and nature (answered call, missed call)

5 - SETTINGS ACCESSIBLE IN THE APPLICATION



Many configuration options can be accessed by clicking on the icon  at the top right of the live image screen.

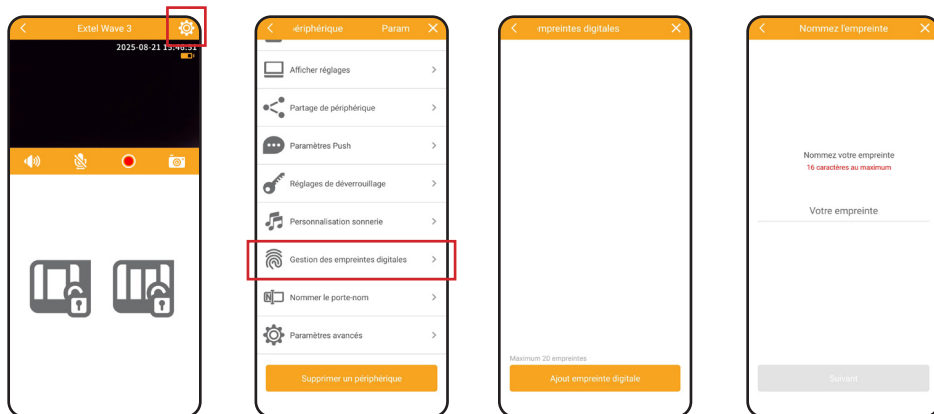
	Allows you to change the name of the videophone in the application Allows you to find the monitor's UID Allows you to choose the display quality of the intercom panel video in the application Allows you to share the videophone's functions with another user by generating a QR Code or a connection link Allows you to enable or disable call notifications Allows you to manage unlocking settings for the electric strike plate or gate: - Fast unlocking (no need to enter the password in the app for each opening request) - Biometric unlocking (secure opening commands from the app using a fingerprint or the phone's facial recognition) - QR code to unlock (used to create a QR code to be scanned by the intercom panel to unlock access) Allows you to customise the monitor's chimes. By default, the videophone has 6 chimes. You can create 2 additional chimes in the application from an .mp3 file of your choice Allows you to add and delete fingerprints authorised to unlock access from the intercom panel reader Allows you to change the videophone password and synchronise the time on the monitor
--	--

F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

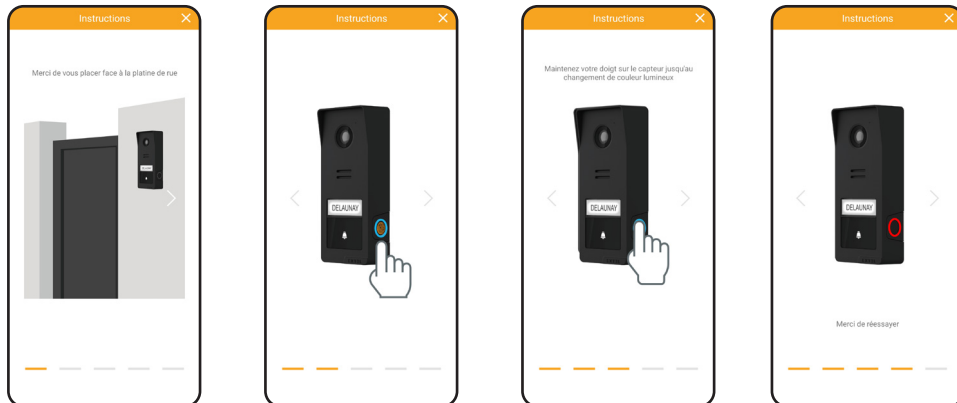
Fingerprint enrolment and unlocking

Important: Fingerprints are exclusively stored and encrypted in the intercom panel. They cannot and will never be transmitted on screen or accessible via the Internet.

To enrol your fingerprint, go to the corresponding menu. Click on **“Ajout empreinte digitale”** (Add fingerprint) and name your fingerprint to make it easier to find in the list of enrolled fingerprints:



Then click on **“suivant”** (“next”): the application will tell you how to proceed.



Go to the intercom panel and place your finger (preferably your index finger) on the fingerprint sensor. A blue circle around the reader indicates a successful reading, a red circle indicates that your fingerprint could not be read.

Repeat the operation as many times as necessary with the same finger, 6 successful readings in total.

After 6 successful readings, the reader displays a green circle and your fingerprint is correctly enrolled:



Using the fingerprint reader:

Once your fingerprint has been enrolled in the device, you can unlock your electric strike plate or operate your gate at any time by placing your finger on the fingerprint reader.

- If a green circle appears around the reader and you remove your finger, the electric strike plate is activated.
- If a green circle appears around the reader and you keep your finger on the reader, the gate is activated.
- If a red circle appears around the reader, the fingerprint could not be read. Try again, and clean the sensor if necessary.

Customising monitor chimes

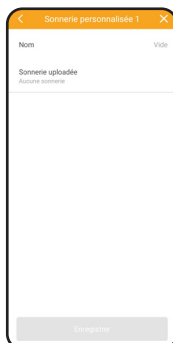
By default, your videophone has 6 chimes that you can choose from the Chimes menu. You can add 2 customised chimes from the **Extel Connect** application using the .mp3 file of your choice, then use them on your videophone monitor.

A. Android



F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

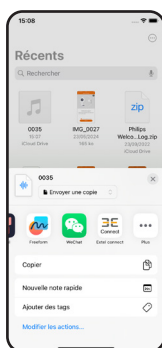
Select customised chime 1 or customised chime 2.



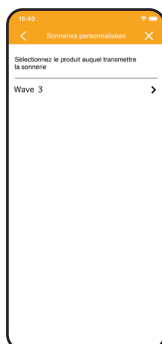
Click on “**sonnerie uploadée**” (“uploaded chime”) to upload a chime or music file in .mp3 format from your phone’s memory.

Once the chime has been sent to your monitor, it can be selected on the monitor from the **Chimes** menu. Customised chime no. 1 will be chime no. 7 on the monitor, customised chime no. 2 will be chime no. 8.

B. iOS



From your iPhone’s file browser, share a chime or music in .mp3 format with the **Extel Connect** application. You can share up to 3 files with the application.



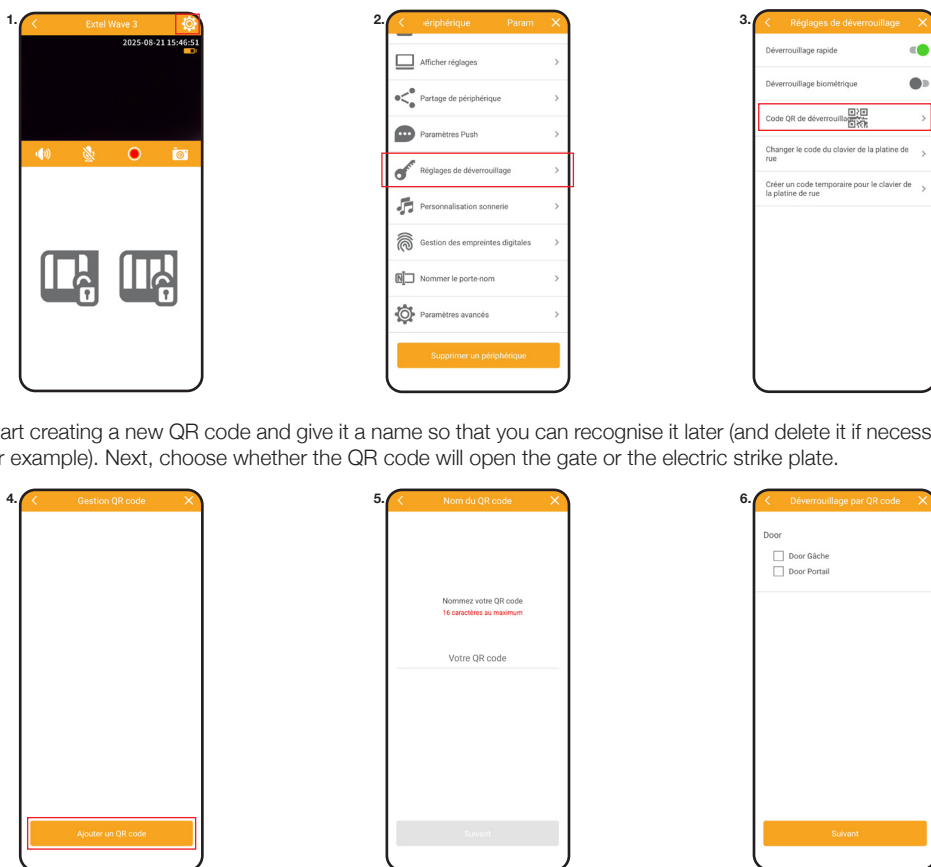
F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

Once the chime or music has appeared in the **Extel Connect** application, choose the product to which the chime should be sent.

Once the chime has been sent to your monitor, it can be selected on the monitor from the **Chimes** menu. Customised chime **no. 1 will be chime no. 7** on the monitor, while customised chime **no. 2 will be chime no. 8**.

Creating QR codes to unlock access

The QR code creation feature allows you to generate a QR code that you can send to whomever needs to open the electric strike plate in your absence. To access this menu:



Start creating a new QR code and give it a name so that you can recognise it later (and delete it if necessary, for example). Next, choose whether the QR code will open the gate or the electric strike plate.

You must now choose whether the QR code to be created will be permanently valid (regardless of the time and date) or temporary (valid only for a given period and/or only on certain days, from a certain time to another, etc.).

F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

Permanent: the QR code will be valid 7 days a week, 24 hours a day, until it is deleted from the app.

Temporary: allows you to choose when the QR code will be authorised to open access.

Specify a start time and date here and an end time and date if you wish.

Customised time: by activating this option, you can define days and times of validity (e.g. for domestic staff, tradespeople, etc.).

Click on one of the days of the week if you want to define validity time slots for the selected day.

If you click on one of the days, you can then define up to 3 time slots for the validity of the QR code being created. Outside the specified times, the QR code will be read by the intercom panel but will not open access.

Set up to 3 QR code validity time slots here

Select the day or days for which the set time slots are to be applied

Click on Enregistrer (Save) to return to the previous screen



F - CONNECTING YOUR EXTEL WAVE 3 VIDEOPHONE TO YOUR SMARTPHONE

After clicking on Suivant (Next), the QR code is created and its summary is displayed:



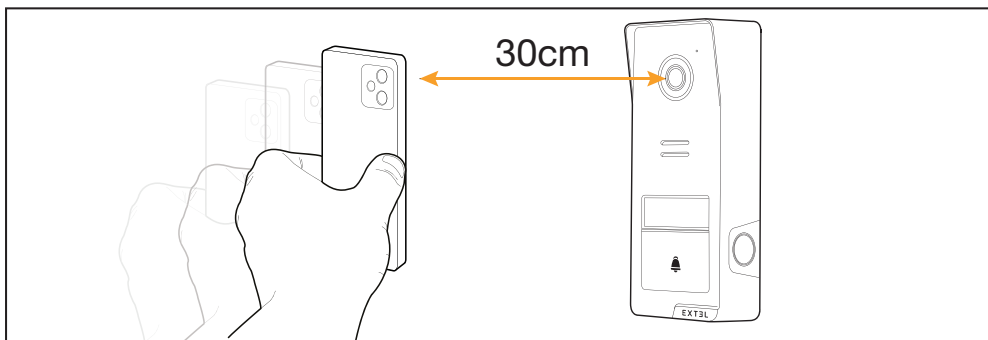
Using QR codes to unlock access

To open using one of the QRcodes created in the application, proceed as follows:

PLEASE NOTE: when the intercom panel is not in use, it remains in standby mode to save the battery that powers it. First of all, wake up the intercom panel by passing your finger over the fingerprint reader.

Note: it doesn't matter if your fingerprint is not registered, the aim is to wake up the intercom panel and prepare it to read the QRcode.

Next, hold up the QRcode on your smartphone screen to your intercom panel to unlock access:

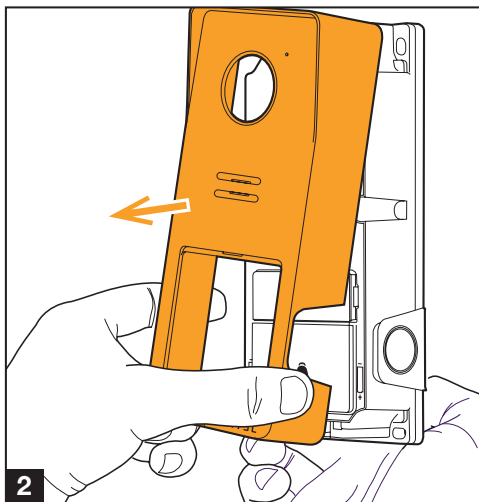
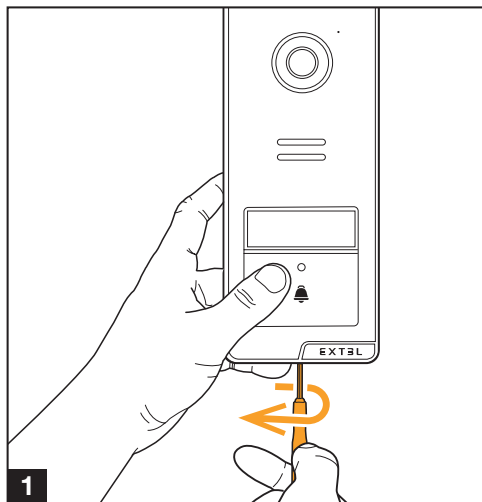


Gradually move your smartphone closer if necessary.

When reading, the intercom panel will beep once if the QRcode has been configured to open the electric strike plate, and twice if the QRcode has been configured to open the gate.

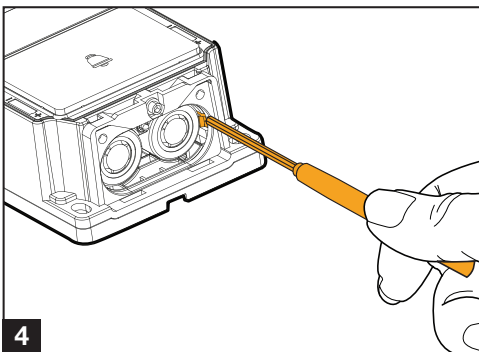
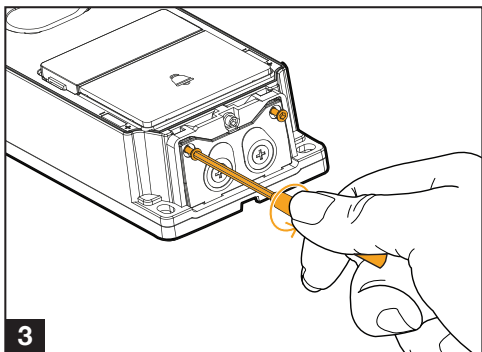
1 - CHARGING THE BATTERIES

If the intercom panel is not powered by a solar panel, or if there is insufficient sunlight to make up for calls, it may be necessary to charge the intercom panel batteries:



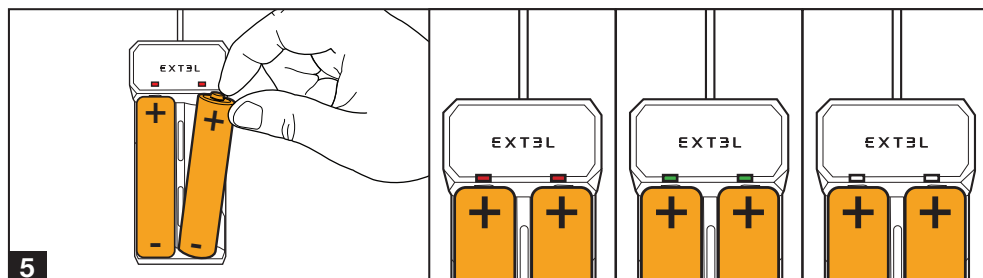
1 - Loosen the screw underneath the intercom panel, using the tool provided.

2 - Remove the front of the intercom panel from your videophone by unscrewing the retaining screw.



3 - Remove the compartment cover by unscrewing the 2 screws holding it in place using the tool provided:

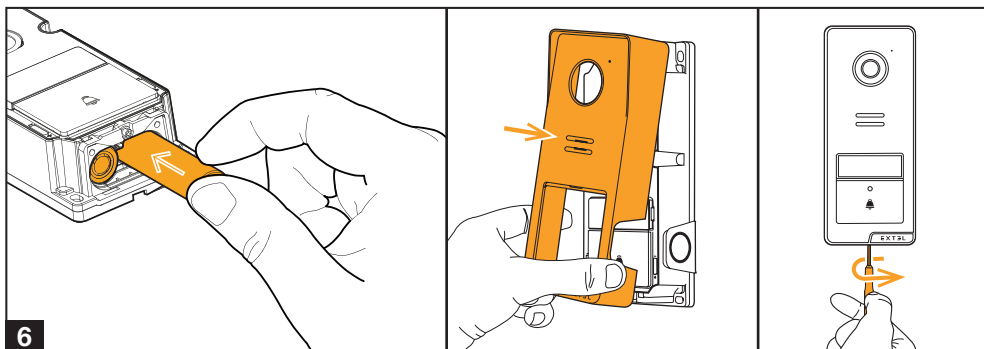
4 - Each battery is held in place by a lug on the outside. Gently press down on each lug using the tool provided to release each battery.



5 - Use the charger supplied to charge the batteries by powering the charger using a USB mains adaptor such as a phone charger. Please maintain the polarity indicated on the charger.

The charger supplied shows you the charging status:

- **Steady red:** battery charging in progress
- **Steady green:** battery charging is complete
- **Indicator light off:** a problem is preventing the battery from being charged. Check your battery and the direction of insertion.



6 - Once the batteries have been charged, put them back in the intercom panel and close by screwing back the compartment cover, then the front of the intercom panel.

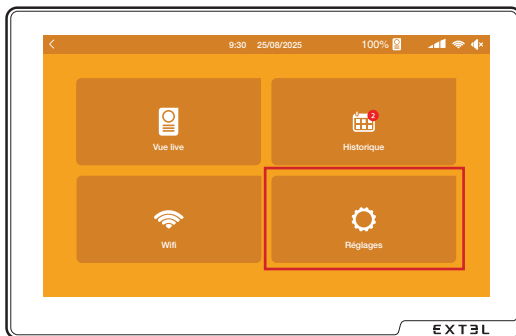
2 - RECONNECTING THE INTERCOM PANEL

If you lose the link between your videophone's intercom panel and the monitor, follow these steps to re-register the intercom panel in the monitor.

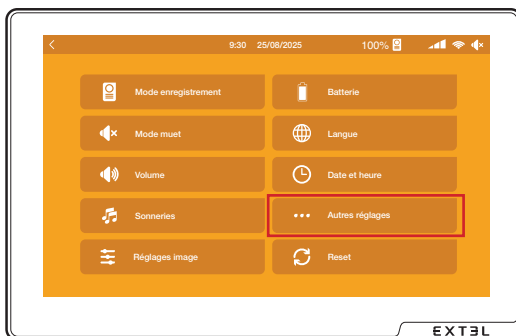
Important: for a new product, this operation has already been performed at the factory and is not necessary. Perform this operation only if the intercom panel has been deprogrammed or replaced. This won't help if radio range and obstacles are the problem.

H - OTHER FUNCTIONS

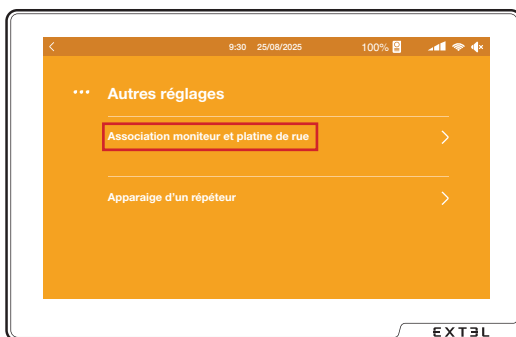
1 - Go to **“Réglages”** (Settings) of your monitor.



2 - Then go to **“Autres réglages”** (Other settings).



3 - Select **“Association moniteur et platine de rue”** (Pairing the monitor with the intercom panel).

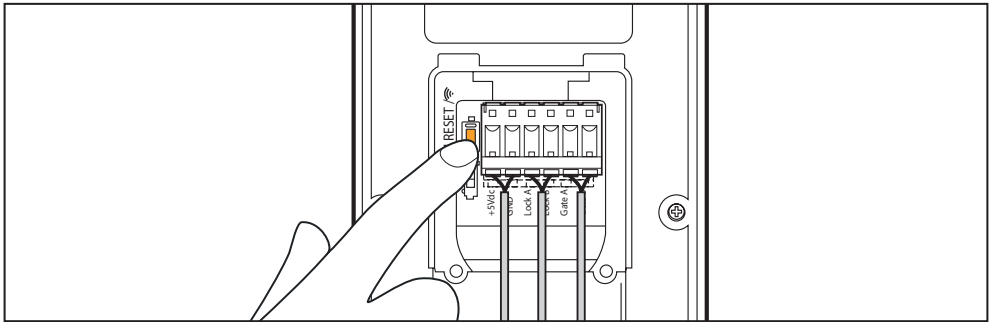


4 - Click on the button.



5 - In the next few seconds, if necessary, switch on your intercom panel by flipping the switch to ON, then press and hold the **RESET** button on the back of the intercom panel until it beeps.

Please note: the beep is different from the call signal emitted when the phone rings, so you need to wait ten seconds.



The link is restored.

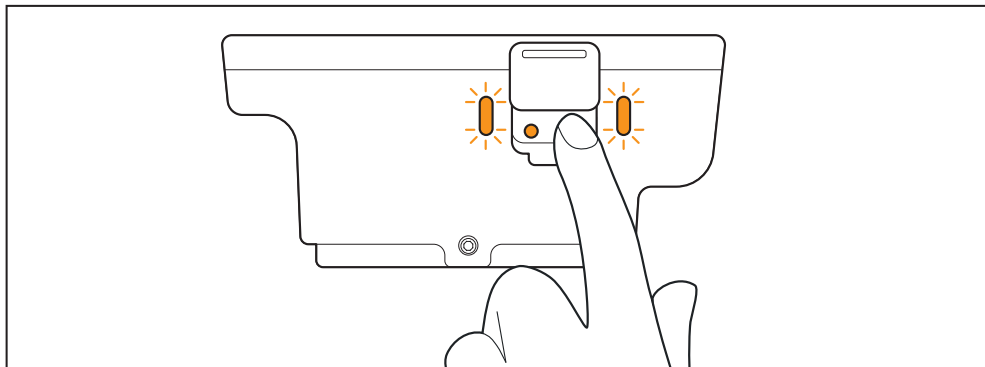
3- PAIRING THE REPEATER (OPTIONAL, REF. 720348)

When switched on, the repeater's two indicator lights remain steadily lit in red. After a few seconds, the indicator lights start flashing slowly.

During the initial setup of the repeater, the screen is already connected to the intercom panel via radio. The repeater will be positioned between the screen and the intercom panel to link up with each component.

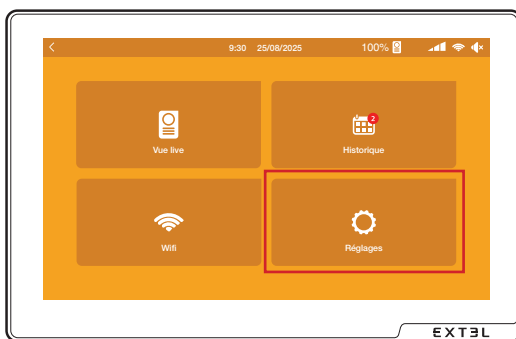
To start pairing, switch on the repeater and check that both its indicator lights are slowly flashing red. If necessary, reset the device by pressing one of the buttons under the repeater once.

H - OTHER FUNCTIONS

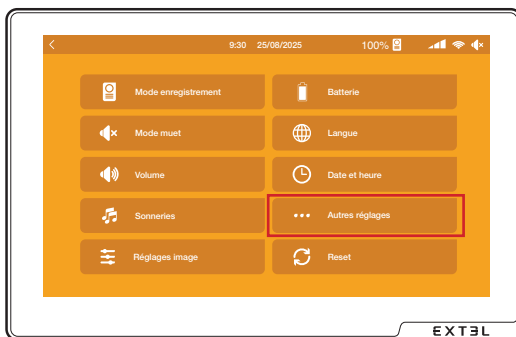


Go to the settings on the WAVE 3 videophone's screen.

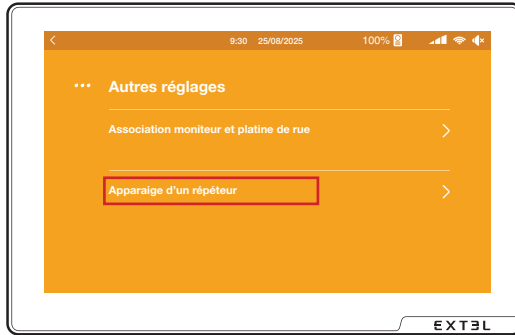
1 - Go to **“Réglages”** (Settings) of your monitor.



2 - Then go to **“Autres réglages”** (Other settings).



3 - Select “**Appairage d'un répéteur**” (Pairing a repeater).



4 - Click on the “**↺**” icon and let the process run its course.

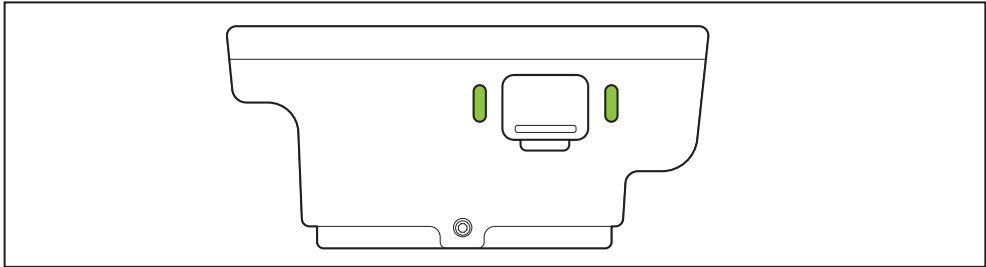


If the addition was successful, you will see this screen.



H - OTHER FUNCTIONS

On the repeater, both indicator lights turn on solid green.



The repeater is then added to your system.

For each component of the videophone, the pairing process will last for a maximum of 180 seconds. If any component is unresponsive, the videophone screen will return to its home screen once the 180 seconds have elapsed.

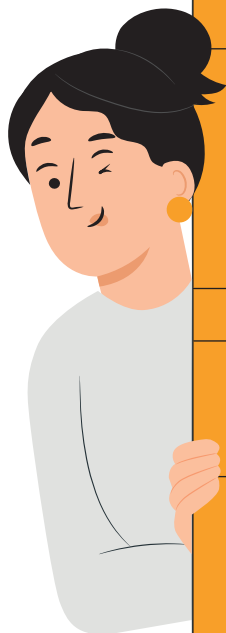
If you find that the step involving the intercom panel is taking too long, press the left-hand reset button on the repeater. If pairing fails, reset the repeater by pressing one of its buttons. Both indicator lights are flashing red. Restart the pairing process from the monitor. Once the monitor has been paired, during the pairing process with the intercom panel, press and hold the reset button on the intercom panel, which is located near the coverl on the back of the intercom panel.

If one of the components loses connection, it is not necessary to reset the repeater. When power is restored to the repeater, or to any part of the system (monitor or intercom panel), the repeater will be able to re-establish communication with the devices.

Meaning of the repeater's indicator lights

LEFT INDICATOR LIGHT	RIGHT INDICATOR LIGHT	MEANING
Solid Red	Solid Red	Start-up/Connection failure during pairing
Solid Green	Solid Green	Connection with screen and intercom panel OK
Flashing red	Solid Green	Connection with screen OK but not with intercom panel
Fast Flashing Red	Fast Flashing Red	Loss of Connection with screen
Slowly Flashing red	Slowly Flashing red	Waiting for connection
Slowly Flashing red	Slowly Flashing green	The repeater is paired with the screen and is in the process of being paired with the intercom panel
Slowly Flashing green	Slowly Flashing green	Pairing of the two devices complete. In the process of finalisation for establishing communication

TECHNOLOGY	Wireless transmission 866 MHz
MAX. DISTANCE	350 m range in open air (in a straight line, without obstacles or interference)
CONTROL UNIT	Lock and gate
MELODY	6 melodies + 2 customisable mp3 melodies from the application Sound level: 85 dB
SCREEN FEATURES	Diagonal: 7" (18 cm) Resolution: 1024 x 600 px Photo storage: 100 max. Mounting: wall-mounted or placed on a piece of furniture 2.4 GHz and 5 GHz IEEE 802.11 b/g/n/ac WiFi Max EIRP = 20 dBm
INTERCOM PANEL FEATURES	Sensor: 2K 2048x1152 px Viewing angle: H110°, D130°, V60° Lens: fixed Night vision: Infrared LEDs Illuminated call button: yes Illuminated label holder: yes Transmission frequency: 865 MHz-867 MHz Max ERP: 13.97dBm Strike plate control: 12 V/0.5 A max. emission strike plate with mechanical memory for 0.5 s, gate: breaking capacity 12 V/2 A max
MATERIALS	70% recycled ABS monitor Intercom panel 70% recycled ABS-PC
FINISH	Monitor: glass and black finish Intercom panel: charcoal finish Colours available as accessories: - 720343: graphite colour - 720344: titanium grey colour - 720345: terracotta colour
ELECTRICAL FEATURES	- Monitor power supply via mains adaptor supplied 100-240 Vac 50 Hz / 5 Vdc 1.2 A - Intercom panel powered by 2 rechargeable Li-ion 3.7 Vdc 2600 mAh batteries - Intercom panel can be powered by optional 5 Vdc 3 W solar panel (reference 720338) - Charger powered by USB adaptor (smartphone charger type, not included) - Connected standby mode: when your device is connected to WiFi (recommended for optimum product performance), it will switch to standby mode after 30 seconds of inactivity. To wake up the monitor, tap anywhere on the screen. Standby power consumption is less than 7W.
OPERATING TEMPERATURES	-20°C to +50°C
USE	Monitor: indoors Intercom panel: outdoors (IP44)
SINGLE PRODUCT FEATURES	Monitor dimensions: 11.3 cm (H) x 17.3 cm (W) x 1.9 cm (D) Intercom panel dimensions: 17.5 cm (H) x 7.3 cm (W) x 4.2 cm (D) Weight: 335 g (including batteries) for the intercom panel - 285 g for the monitor
KIT FEATURES	Dimensions: 240 x 210 x 70 mm Weight: 1,100 g
STANDARDS AND CERTIFICATION	CE, RoHS, REACH





1 - WARRANTY

• The warranty is void if parts have been dismantled. Clean the outside with a soft, dry cloth only. Before cleaning, disconnect or switch off the video surveillance system.

PLEASE NOTE

- Do not use any carboxylic acid, alcohol, or similar chemicals on the product. In addition to damaging your device, the fumes are also hazardous to your health and are explosive.
 - Do not use any tool that can conduct voltage (wire brush, sharp tool, etc.) for cleaning.
- If needed, visit our technical website: www.avidsen.com

Download the latest version of the instructions in colour from: www.avidsen.com

2 - WARRANTY CONDITIONS

- This device has a **3-year** warranty for parts and labour in our workshops.
- The warranty does not cover: consumables (batteries, etc.) and damage caused by misuse, improper use, improper installation, external intervention, damage due to physical or electrical shocks, dropping or atmospheric phenomena.
- Do not open the device, as this will void the warranty.
- Clean with a soft cloth only, no solvents. The warranty is void if parts have been dismantled. Clean the outside with a soft dry cloth only. Before cleaning, disconnect the equipment or switch it off at the mains.
- The receipt or invoice is proof of purchase date.

3 - HELP AND ADVICE

- If, in spite of the care we have taken in designing our products and drafting these instructions, you do encounter difficulties when installing your product or you have any questions, we recommend you contact one of our specialists who will be glad to help.
- If you encounter operating problems during installation or a few days afterwards, it is essential for you to be in front of your installation when contacting us, so that one of our technicians can diagnose the source of the problem, as it will probably be the result of a setting that is incorrect or an installation that is not to specification.

Please contact our after-sales service team technicians:

0 892 350 069

**Service 0,35 € / min
+ prix appel**

Monday to Friday, 9am to 12pm, and 2pm to 6pm.

4 - TUTORIALS AND VIDEOS



If you have any problems, check out our tutorials and videos at www.avidsen.com/fr/assistance/tutoriel-sav

IMPORTANT!

- Please read the user manual carefully before installing or using this product.
- If you are installing this product for someone else, remember to leave the manual or a copy of it with the end user

Warning

- The various items should be dismantled by an authorised technician only.

1 - SAFETY MEASURES

- To operate this system in complete safety, it is essential that installers, users, and technicians follow all the safety procedures described in this manual.
- Specific warnings and warning symbols are given for items where necessary.
- The product must be set up according to the applicable standards in the country where it is installed (NF15-100 for France).
- Damage caused by failing to adhere to the manual nullifies the warranty. We will not accept liability for damage resulting from non-compliance! We will not accept liability for any harm to goods or people caused by improper handling or failure to adhere to safety instructions.
- This product was manufactured in total compliance with safety guidelines. In order to maintain this status and provide for the best possible conditions of use, the user must adhere to the safety instructions and warnings in this manual.

This symbol indicates a risk of electrical shock or short-circuiting.

- Only use this product with electrical current in the following ranges: 100-240 Volts and 50-60 Hz. Never attempt to use this device at a different voltage.
- Ensure that all the system's electrical connections conform to the instructions for use.
- In commercial establishments, ensure that you adhere to the electrical installation accident prevention regulations.
- In schools, training facilities, workshops, etc., qualified personnel must be on hand to monitor electronic equipment operation.
- You must follow the instructions for use of any other devices connected to the system.
- Please contact an experienced person if you have any doubts regarding equipment operation or safety.
- Never plug in or unplug electrical equipment with wet hands.
- When installing this product, check that the power supply cables are not at risk of being damaged.
- Never replace damaged electrical cables yourself! In this case, remove them and call an expert.

2 - RECYCLING



This symbol means that devices no longer in use should not be disposed of with household waste. The hazardous substances they may contain can be harmful to health and the environment. Return the equipment to your local distributor or use the recycling collection service provided by your local council.



USE OF DATA IN ACCORDANCE WITH REGULATION (EU) 2023/2854		
Type	Photo & video, WiFi SSID and Password, QR Code to unlock, Fingerprint	
Format	Photo: jpg Video: avi Audio message: pcm WiFi SSID and Password: binary format QR Code: binary format RFID Card: binary format	
Volume	Photo: 100 pcs Video: automatic, 50 pcs. and manual, 10 pcs. WiFi SSID and Password: 1 SSID and 1 password QR Code: 100 pcs Fingerprint: 20 pcs	
Is data generated	continuously (with latency time)	/
	in real time	on request
Where is the data stored	about the device	
Data retention period	Photo & video: Until they are manually deleted by the user, the oldest data will be automatically overwritten when storage is full; Audio message, QR code and RFID card: stored indefinitely until manually deleted by the user	
How to	access data	Photo: The device and the app can access Video: The device and the app can access WiFi SSID and Password: ONLY the device can access QR Code: The device and the app can access RFID Card: ONLY the device can access
	extract data	Photo & video: from the SD card, if supported, or via the app to download or save
	delete data	Photo: ONLY the device can delete Video: ONLY the device can delete WiFi SSID and Password: ONLY the device can delete QR Code: The device and the app can delete RFID Card: ONLY the device can delete
	share data	Photo & video: download to your cellphone and share from your mobile phone's album. QR Code: share the image of the OU code with others
	stop sharing	Photo & video: no QR Code: delete the QR code in the app
data subject's identity (contact details)		https://www.avidsen.com Address: 19 avenue Marcel Dassault 37200 Tours - FRANCE Contact: hotline@avidsen.com



Avidsen, undersigned, states that radio equipment such as the **Extel Wave 3** is compliant with directive 2014/53/EU

Standards:

Directive 2014/35/EU:

EN 62368-1:2020+A11:2020

EN 62311:2020

EN 50665:2017

Directive 2014/30/EU:

EN 301 489-1 V2.2.3 (2019-11)

EN 301 489-3 V2.3.2 (2023-01)

EN 301 489-17 V3.3.1 (2024-09)

EN 61000-3-2:2019 + A1:2021 + A2:2024

EN 61000-3-3:2013 + A1:2019 + A2:2021

Directive 2014/53/EU:

EN 300 328 V2.2.2 (2019-07)

EN 301 893 V2.2.1 (2024-11)

EN 300 440 V2.2.1 (2018-07)

EN 301 893 V2.2.1

EN 300 220-1 V3.1.1

EN 300 220-2 V3.2.1

EN 18031-1:2024

EN 18031-2:2024

Tours, 22/08/2025
Alexandre Chaverot, CEO



EXTEL

WAVE 3

19 avenue Marcel Dassault
ZAC des Deux Lions - 37200 Tours - France
www.avidsen.com