

- Once the reset button has been pressed, the red light will stop blinking.



Specifications: Arial Pendant 2560-59350

Physical and Mechanical	Dimensions: 1.9 x 2.2 x 0.72 " (4.8 x 5.6 x 1.8 cm) Weight: 1.2 oz. (35 g) Mounting: Neck cord and belt clip provided
Output Frequency	900MHz Spread Spectrum
Power	3V CR2-type lithium battery (Panasonic, Sanyo or approved equivalent)
Battery Life	1 – 2 years, if operating temp. 68–86° F (20–30° C)
Environmental	Operating temperature: 0°C to 49°C (32°F to 120°F) Humidity: 0 to 93%, non-condensing
Certification and Regulatory Compliance	UL2560

Models 2560-59360/59361/59362 – Small Pendant

Pendant LEDs



ALARM ACTIVATION (Red)

When activated, pendant vibrates briefly and light flashes red until alarm is cleared.

ALARM CLEARANCE (Blue)

Light flashes blue when magnetic card is used or button pattern is pressed.

LOW BATTERY (Yellow)

Light blinks yellow to notify residents and staff.

How to Use the Small Pendant: Sending an Alarm

1. Press the Activation button for at least one second.
2. When activated, the pendant vibrates briefly and the red transmission LED blinks rapidly for the first five seconds, and then slowly until the alarm is cleared.
3. If the red light does not flash, the call has not been sent. The pendant's battery may need to be replaced.



Clearing Alarms

There are two ways to clear the alarm:

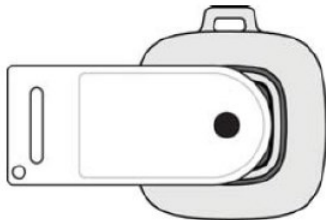
1. Button Press Pattern
2. Magnetic Card

Button Press Pattern

1. Press the Activation button three times, quickly.
2. When the blue LED flashes twice, press the Activation button three more times, quickly.
3. The blue alarm LED flashes quickly six times indicating the alarm has been cleared.

Magnetic Card

1. Place the dot on the ACC680 Alarm Clearance Card over the Activation button.
2. The red LED ceases flashing and the blue LED flashes quickly six times indicating the alarm has been cleared.



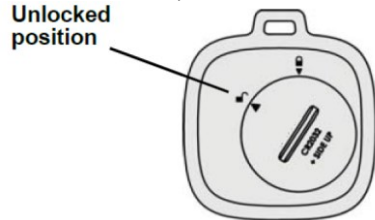
Installing the Battery

If the red light does not flash when you press the alarm button, the pendant's battery will need to be replaced. The battery must only be replaced by a staff member who is

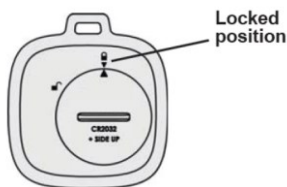
properly trained to work with Arial pendants. The Arial pendant uses a Panasonic 3V lithium CR2032 battery.

Follow these steps to install or change the battery:

1. Use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to the unlocked padlock icon.



2. Remove the battery door.
3. Remove the old battery from the battery compartment.
4. Place the new battery in the battery compartment, ensuring that the positive terminal (+) faces up.
5. Seat the battery door over the battery so that the arrow on the battery door is lined up with the unlocked padlock icon.
6. Use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to line up the arrow on the battery door with the arrow under the locked padlock icon.



7. Press the Activation button on the front of the pendant to initialize the transmitter.
8. Clear the resulting alarm.

Storage Mode

Storage mode is an ultra-low battery state designed to protect the life of the internal backup battery. The pendant is shipped in storage mode. If the water-resistant pendant transmitter will go unused for any significant period, it should be put in storage mode. The pendant will also automatically go into storage mode at the next check-in transmission time if the coin cell battery has been removed.

Note: When the pendant is in storage mode, it will not transmit alarms or check-in messages.

Extended Storage Requirements

If the pendant will be in storage for a time that may reach or exceed 12 months, the coin cell battery must be installed in the pendant. Extended storage of the pendant without the coin cell battery or with a dead coin cell battery can cause the pendant to become unusable even if a new coin cell battery is installed. There is no

recovery for the pendant once this occurs and the pendant cannot be repaired. When a new coin cell battery is installed in the pendant, the pendant can be stored for a period of up to approximately three years (assuming no alarms are placed). The coin cell battery must be replaced again at either the three-year point or when the coin cell battery becomes low (whichever occurs first) should storage need to be further extended.

When stored with the coin cell battery, the pendant will transmit regular supervision signals that will help your facility manage the pendant while it is in storage. A best practice is to register the pendant to the Arial system using room and description information to help identify the pendant as a stored pendant. Adding the transmitter ID number (labeled as “TX ID: #####” on the back of the pendant) to the description can help staff later identify the pendant should it accidentally be set into alarm or need the battery replaced again. When the pendants are registered to Arial, staff will see Low Battery Alerts for the stored pendants when the coin cell batteries become low and need to be replaced.

Putting the Pendant in Storage Mode

Note: The pendant should not be left in storage mode for more than 12 months, or they may become unusable. Pendants should be stored in ambient conditions (69 to 73 degrees Fahrenheit/ 20.5 to 22.8 degrees Celsius).

1. Use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to the unlocked position.
2. Remove the battery from the battery compartment.
3. Press the Activation button for at least one second. The red LED flashes and the pendant vibrates briefly to indicate that an alarm has been sent. This serves as confirmation that the pendant is now in storage mode.
4. Seat the battery door over the empty battery chamber and use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to line up the arrow on the battery door with the arrow under the locked padlock icon.

Note: If the alarm Activation button is pressed when the pendant is in storage mode and the battery is not installed, a yellow LED illuminates briefly on the lower portion of the pendant to indicate a missing battery condition to the user.

Taking the Pendant out of Storage Mode

1. Use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to the unlocked padlock icon.
2. Remove the battery door.

3. Place a battery in the battery compartment, ensuring that the positive terminal (+) faces up.
4. Seat the battery door over the battery so that the arrow on the battery door is lined up with the unlocked padlock icon.
5. Use the ACC680 Alarm Clearance Card or a quarter to turn the battery door to line up the arrow on the battery door with the arrow under the locked padlock icon.
6. Press the Activation button for at least one second. The red LED flashes and the pendant vibrates briefly to indicate that an alarm has been sent. This serves as confirmation that the pendant is no longer in storage mode.
7. Clear the alarm sent when you activated the pendant.

Important! If the pendant has been in Storage Mode for more than six months, the coin cell battery should be installed at least 72 hours prior to giving the pendant to a resident to use. This is necessary to allow the internal battery in the pendant to charge sufficiently.

Testing the Pendant

The pendant should be tested after registration and then weekly to ensure optimal operation.

To test the pendant:

1. Press the Activation button for at least one second and ensure the red LED lights, the vibration activates, and the alarm is received by the receiver or gateway.
2. Clear the alarm and ensure the red LED stops flashing, and the blue LED flashes.

Specifications: Arial Pendant 2560-59360/59361/59362

Physical and Mechanical	Weight: 0.6 oz (17 g)
Environmental	Operating temperature: 0°C to 49°C (32°F to 120°F) Humidity: 0 to 93%, non-condensing
Battery	3V lithium Panasonic CR2032 Battery is always supervised. Battery Life: 1 year typical
Frequency	902-928 MHz, frequency hopping spread spectrum
Certification and Regulatory Compliance	UL2560

Supplemental Hardware Components

The supplemental hardware components may already exist in a facility from a previous Arial deployment or can be optionally added.

The following supplemental components are described in this section:

- Display Sign
- Paging Base Station
- Arial Pager

NOTE: Serial devices such as paging transmitters and LED display signs may be connected to the Arial nurse call network using a 2560-54312 Network Manager. A second network interface card is provided with the server PC in the 2560-54322 bundle for the purpose of connecting the Arial 900MHz Wireless Call System to a different network (such as the facility network) in order to communicate with other supplemental devices or third-party systems and applications.

WARNING! – EQUIPMENT THAT IS CONNECTED TO THE SYSTEM IS NOT CONSIDERED TO BE PART OF THE LISTED SYSTEM CONFIGURATION UNLESS THE EQUIPMENT IN QUESTION COMPLIES WITH THE STANDARD FOR EMERGENCY CALL SYSTEMS FOR ASSISTED LIVING AND INDEPENDENT LIVING FACILITIES, UL 2560.

Display Sign

Model	Comments / Version
SKU: 54140	Networked Display Sign

The remote display gives staff the ability to view emergency calls while going about their normal care routine. When a resident summons for help, remote displays provide programmable information about the resident's apartment number, name and/or the device type used to call for help. Messages are cleared automatically when staff members respond to a call. Remote notification options help to maximize staff efficiency and speed staff response time. Due to their high visibility, they can be considered the equivalent to lights above doors in skilled nursing facilities.

Signs have three colors (red, green, and amber) and sixteen scroll modes. The Event Categories features of Arial are used to make different types of alarms appear in different colors. Escalation (which is setup in the 'Zone' area of the software) causes messages on the signs to change to a different scroll mode to indicate that the alarm has been going off longer than newer alarms on the sign.

Signs connect to Arial via a network connection and an IP to RS232 converter located at the sign. One-off messages can be sent manually from the software to an individual sign or pager at any time.

Signs may be mounted on a ceiling, wall or a flat work surface using the included hardware.



Figure 27. Display Sign

Specifications: Display Sign

Physical and Mechanical	<p>Dimensions: 28.9" x 3.3" x 4.5" (73.5 x 8.4 x 11.5 cm)</p> <p>Display Dimensions: 2.1" x 27" (5.3 x 68.5 cm), Character size 2.1" (5.3 cm)</p> <p>Weight: 6.25 lbs. (2.8 kg), includes display and external power supply</p>
Power	120 VAC+ 10% (Optional 220 VAC)
Characters Displayed	15 maximum (single line)
Message Capacity	26 different messages can be stored and displayed
Certification and Regulatory Compliance	UL2560

Paging Base Station

Model	Comments / Version
SKU: 0900-353 (WaveWare SPS-5)	Paging System

The Paging Transmitter is a completely self-contained compact integrated POCSAG Paging System. The system, which is comprised of a digital paging transmitter and embedded paging encoder, is supplied with Windows® based encoder configuration software. Connections between the PC and the SPS-5 Paging System are supported via a standard (supplied) RS-232 cable.



Figure 28. Paging Base Station

Specifications: Paging Base Station

Physical and Mechanical	Dimensions: 9.0"H x 8.5"W x 2"D Weight: Approximately 1.5 lb
RS-232 Serial Com Ports	Single
Paging Message Types	POCSAG Tone/Vibrate, Numeric and Alphanumeric
RF Data Rate	512, 1200, and 2400 bps Auto-switching
Pager Database	5,000 PLUS, EEPROM
Interface Protocols	TAP, COMP1, COMP2, SCOPE or WAVEWARE proprietary
Serial Port Configuration	300, 1200, 2400, 9600 Baud, Even/No parity, 7/8 data bits
Frequency	Frequency Source: Synthesizer Frequencies: UHF2 - 440-470 MHz (US) Frequency Stability: +/- 2.5 ppm
Operation Rating	Intermittent, 66% duty cycle
Power	Power Supply: 2VDC 3.75A AC/DC Adapter Power Out (watts): 2 Watts (US)
Environmental	Temperature: 0 to 28° C (32 to 82° F)
Modulation	+/- 4 kHz (Wideband) or (Narrowband)
Bandwidth	Wideband (25 kHz) or Narrowband (12.5 kHz)

Transmitter FCC ID	UHF – MMASD225U2
Certification and Regulatory Compliance	UL2560

Arial Pager

Model	Comments / Version
SKU: 52112 (Apollo AL924)	Arial Pager

The Arial Pager is an alphanumeric device with a multi-line display and a zoom feature. Belt clip, lanyard, safety chain and battery are included. Many useful functions include: silent alarm, pager on/off, backlight on/off, auto sleep set, alarm and time set, selectable scroll speed, move to memo, delete one or all messages, lock messages, 4 selectable beep sounds, 8 selectable melodies, plus vibration and sleep mode settings.



Figure 29. Arial Pager

Specifications: Arial Pager

Physical and Mechanical	Dimensions: 2.5 x 1.75 x 0.75 in (6.35 x 4.45 x 1.9 cm) Weight: 1.9 oz (54 g); 2.5 oz (69 g) with belt clip
Input Frequency	457.6 MHz
Power	1 AAA battery, low battery alert
Display	4-line, backlit, zoom mode, date/time, battery level
Operation	3 buttons: Function, Select, Read
Attachments	Supplied - Belt clip, lanyard, safety chain

Alert Modes	Beep, Vibrate, Melody, Sleep
Certification and Regulatory Compliance	UL2560

Arial Software Components

This section describes the Solution's software components.

Arial Software

The Arial system is the next evolution of wireless nurse call, giving Assisted and Independent Living Communities an advanced wireless platform for the safety and security of their residents and the ease of use for their staff and caregivers. The Arial[™] system incorporates the following key functionality:

- Wireless communication platform for simple, cost effective, and flexible deployments
- Consolidated event management, with alarm queues, dynamic maps, and intelligent notification and messaging tools
- Advanced reports engine for tracking response times, compliance reporting & resident system usage, with scheduled reports and automatic forwarding to email
- Event notification to mobile devices, overhead signs, and pagers

The Arial solution delivers several key benefits to senior living organizations:

- Improved performance: tracks response times & patterns across shifts to drive higher levels of care
- Higher efficiency: pushes information directly to staff for efficient workflow
- Better resident experience: enables residents to call for help at any time.

The Arial system is designed to capture alarms and calls for help from wireless fixed call stations. These alarms are displayed in the Arial software and optionally can be sent directly to staff via a mobile app on a smart device, pagers or displayed on overhead signs.

NOTE: The Arial system supports up to 3000 call points, but the number of alarms that a Call Notification Station can display at once varies depending on system settings and hardware. Once the number of active alarms increases where they cannot all be displayed on a screen, a scroll bar appears to enable viewing of the additional alarms. Alarms are sorted by Category (highest priority on top) then by age (oldest on top).

Larger facilities use multiple Call Notification Stations to display alarms.

Alarm points can be assigned to zones that match different areas of responsibility covered by each Call Notification Station. This allows the alarms that are relevant and actionable for care staff to be easily available. See the Arial Administrator Guide for additional information about using zones.

AeroScout Location Engine (ALE)

The AeroScout Location Engine works with the Gateway GW-1000 to supervise the server and sound a trouble signal when an outage is detected.

Arial Mobile Application (Supplemental)

The Arial Mobile Application is a supplemental application designed to work seamlessly with the Arial® 900MHz Wireless Nurse Call System to provide senior living caregivers with an innovative tool for handling emergency call alarms and communicating collaboratively with their coworkers. The Arial Mobile Application is packed with intuitive features to ensure community caregivers have visibility to all relevant alarms, their status and who is responding.

Solution Deployment Checklist

The following section is for STANLEY Healthcare and authorized Arial partner installers.

Use the following checklist as a guide when deploying the Arial® 900MHz Wireless Nurse Call Solution.

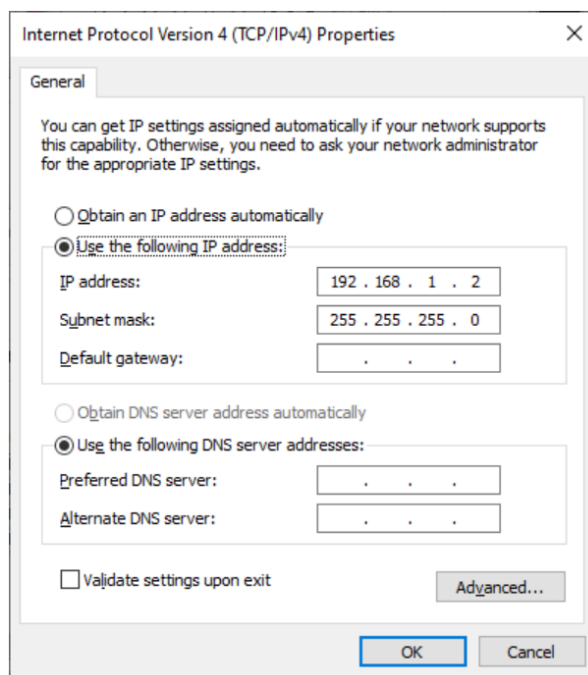
IMPORTANT: Please read the important notes regarding backing up and restoring before deploying the system. See [Backing Up and Restoring](#).

Note: The order may vary according to the facility.

Steps Deployment Procedures	
1	Set IP address of Arial and AES Server Network Interface that will be used for communication with UL2560 Fundamental Equipment.
2	Arial software must be installed and configured according to the site.
3	Download, install and configure the AeroScout Location Engine. See Deploying the AeroScout Location Engine .
4	Integrate Arial with the AeroScout Location Engine. See Arial and ALE Integration .
5	Install Switches.
6	Install GW1000 device.
7	Install sirens (Model: 56108). See Installing and Configuring Sirens .
8	Configure Gateways to activate sirens. See Configuring Gateways to Activate Sirens .
9	Register and deploy repeaters. Give repeaters a description that describes where they will be installed so they can be found later for servicing.
10	Register Call Stations to Arial with descriptions to indicate the room and location where they will be installed.
11	Install and Test Call Stations. See Deploying Call Stations .
12	Verify all Call Stations were tested by viewing Arial Device Activity Report and comparing to room list.

Assigning IP Address for PC to Communicate on Fundamental Network

1. Go to Control Panel of the PC where Arial Server and AES will be installed. This procedure assumes the same PC will be used for both pieces of software.
2. Navigate to the IP Ver4 Network Properties Window
3. Choose **Use the following IP address** and enter **IP address: 192.168.1.2** and **255.255.0.0** for the **Subnet mask**.



4. Click **OK** to apply the change.

Note: This IP address is needed to allow the AES to be able to configure the GW1000 in later steps. The Gateway uses 192.168.1.178 as its default IP address. If the customer's network will be involved and these IP addresses cannot be used permanently, they can be changed once the GW1000 is added and a new IP address is assigned in a later step.

Deploying the AeroScout Location Engine

The Arial software communicates with a GW-1000 over a dedicated call system network.

The ALE consists of the following components:

- AeroScout Engine Server (AES): Designed to process and forward messages between GW-1000 and Arial.
- AeroScout Engine Manager (AEM): Administration and configuration tasks for the AeroScout Engine Server are centralized in the AeroScout Engine Manager. The AEM is used to configure network communication with the GW-1000.

The Arial 900MHz Wireless fundamental components must be installed on a separate and dedicated network.

Important ALE Solution Deployment Notes

- Mobile Units and other non-STANLEY Healthcare Wi-Fi components are not supported
- An HA (High Availability) setup is not supported
- The Engine Server (AES) and Manager (AEM) can be installed on the same machine as Arial
- The ALE must be licensed using the STANLEY Healthcare support portal. See AeroScout Engine Deployment Guide for more detail
- All access points need not be added to the AES for 900MHz deployments

ALE Deployment Checklist

For full ALE deployment details refer to the following resources from the STANLEY Healthcare knowledge base:

KB #	Document Name
12271	AeroScout Location Engine 5.5.4 Deployment Guide
12274	Location Engine 5.5 MR1 for Non-Cisco Download

Use the checklist below as a guide during the AeroScout Location Engine deployment process.

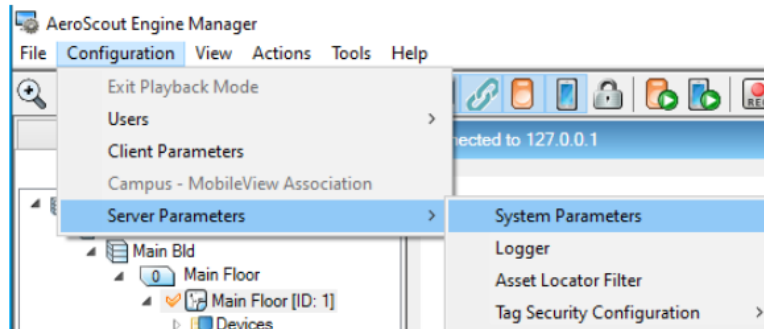
Steps	Deployment Procedures
1	Download the AeroScout Location Engine 5.5.4 MR1 software version for Non-Cisco.
2	<p>Install the Engine Server (AES) and Engine Manager (AEM) on the same machine as Arial Server.</p> <p><i>Refer to the Location Engine Deployment Guide > Installing AeroScout Location Engine in a Non-Cisco Environment & Installing AeroScout Engine Manage sections.</i></p>
3	Register the ALE in the STANLEY Healthcare support portal in-order to receive a license.
4	Apply the license in the Engine Manager.
5	<p>Configure the Engine according to the site's infrastructure:</p> <ul style="list-style-type: none"> • Setup Campus, Building and Floor • Add Map • Mark 0.0 • Calibrate Map • Apply Calibration • Add Cells <p><i>Refer to the Location Engine Deployment Guide > Defining Maps section.</i></p>
6	Configure the Gateway 1000 devices on the maps in the Engine. See <i>Adding and Configuring Gateways in Engine</i>
7	Configure the ALE Collection Time and SNMP Trap Interval. See instructions in this document.

Configuring the ALE Collection Time

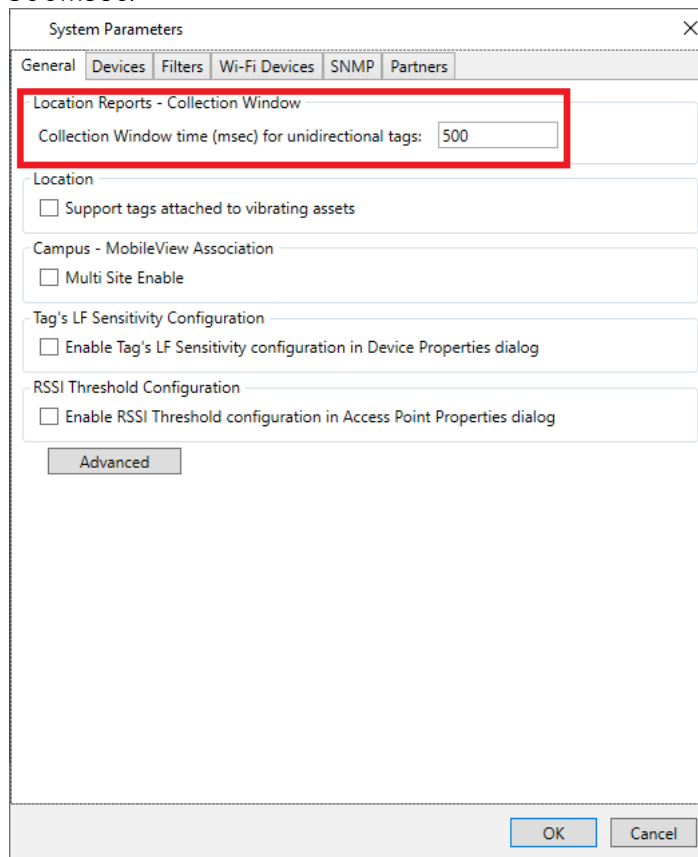
The ALE Collection Time determines how long the Engine Server will wait to receive the location data for a tag. After this timeout, the Engine Server starts calculating the location of the tag.

Collection Time in the AeroScout Engine Manager (AEM) must be configured to 500 msec.

1. Open the **AeroScout Engine Manager (AEM)**.
2. From the Menu bar click on **Configuration** and select **Server Parameters > System Parameters** in the submenu.



3. Select the **General** tab.
4. Under **Location Reports – Collection Window** set the Collection Window time to 500msec.



5. Click **OK**.

SNMP Trap Interval

When a device is down, such as a dome light, a trap is immediately sent from the Engine to Arial, and then resent every 5 minutes (Engine default value). This default value needs to be changed, in the Engine Server's *PeProperties* file, to every 60 seconds (4 cycles) for UL2560 deployments.

The following procedure is for Non-Cisco (Standalone) systems only:

1. Stop the AeroScout Engine Server.
2. From the Engine Server PC, navigate to the **AeroScout Engine** folder: *C:\Program Files (x86)\AeroScout\AeroScout Engine*
3. Locate and open the *PeProperties.properties* file.
4. Scroll down to **[SNMP]**.
5. Set the '*SnmpSendDevicesStatusCount*' parameter to 4 and save the file.

```
#[SNMP]
#Number of SNMP check cycles between
SnmpSendDevicesStatusCount=4
#Sets the connection timeout. This ti
TcpTransportConnectionTimeout=120000
```

6. From the Engine Server PC, navigate to the **AesBackup** folder: *C:\Program Files (x86)\AeroScout\AesBackup*
7. Locate and open the *PeProperties.properties* file in the backup folder.
8. Scroll down to **[SNMP]**.
9. Set the '*SnmpSendDevicesStatusCount*' parameter to 4 and save the file.

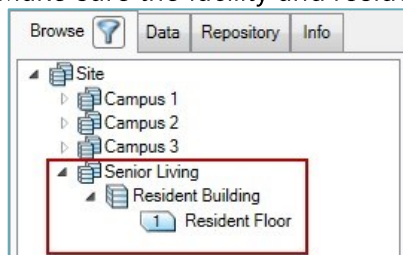
```
#[SNMP]
#Number of SNMP check cycles between
SnmpSendDevicesStatusCount=4
#Sets the connection timeout. This ti
TcpTransportConnectionTimeout=120000
```

10. Restart the AeroScout Engine Server.

Location Engine Map Configurations

The following steps must be completed in the Location Engine before continuing:

- ✓ Make sure the facility and resident floors have been defined.



- ✓ Make sure the GW1000 has been added to a map in the AES.

The map is a central element of the Wi-Fi based system. Maps are used to mark the position of installed devices across the site and to monitor the Wi-Fi Devices and Tags moving within the site. A map represents one floor or part of a floor. One

floor may include several maps. For 900MHz systems, the facility floorplan maps can be added directly into Arial.

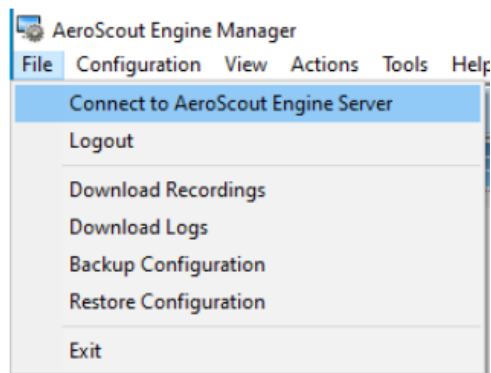
See the *Arial Administrator Guide for Version 10.6 MR1* in the Knowledge Base Article #12137 for additional details about adding maps in Arial.

Note: For 900MHz devices, adding facility floor maps to the AES is not required, however one map which can be any .png, .bmp or jpg file with the GW1000 placed on it is required. The GW1000 is not used to receive call point messages from 900MHz devices and is only used as a watchdog appliance for the Arial Server.



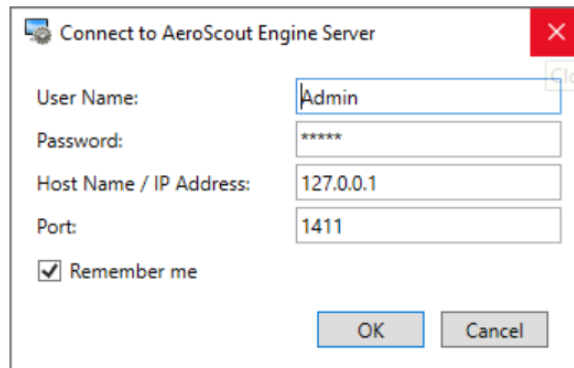
Steps for Adding Maps in AES

1. An image file for the map must be saved to a known drive location on the machine running AES, typically somewhere on the C: drive. A simple image file can be created in Paint if a map is not available and saved on the system.
2. Open AEM and connect to AES by selecting the **File** menu, then **Connect to AeroScout Engine Server**.

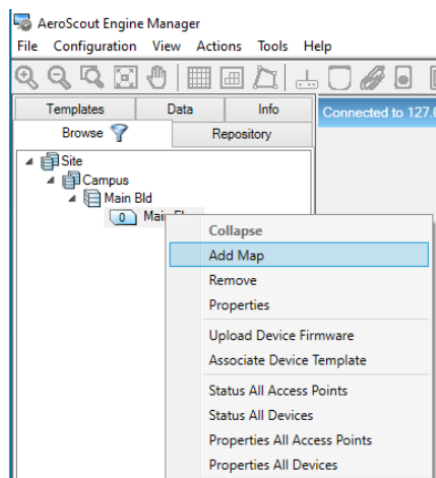


3. Enter the Admin User Name and Password. If the AeroScout Engine Server (AES) is installed on the same machine as the Arial hardware and the AeroScout Engine Manager

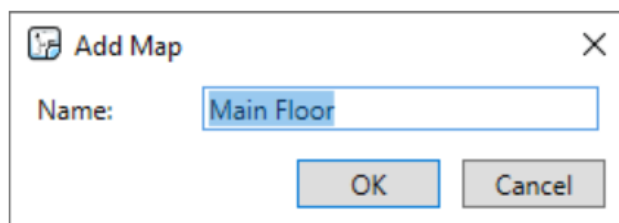
(AEM), the Host Name / IP Address can be set to 127.0.0.1. If the AES is installed on a different system, use the hostname or IP address of the other system.



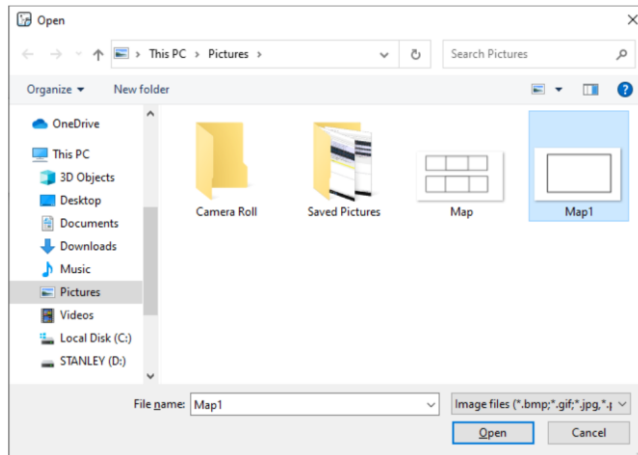
4. Add Campus, Building, Floor, and Map by right-clicking and selecting the option to add each layer starting with Site under the Browse pane. The final layer will be Add Map.



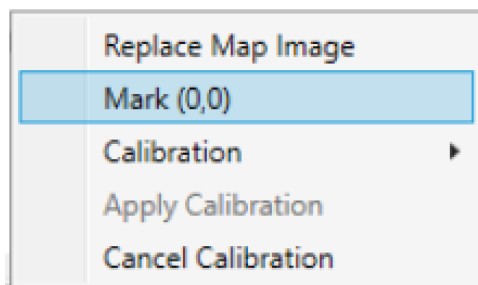
5. Enter a Name for the Map in the dialog that appears, then click OK.



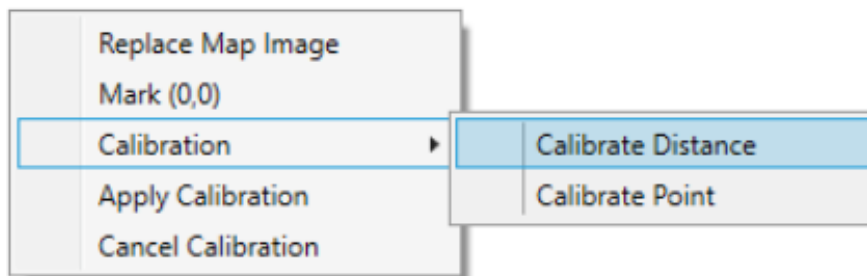
6. Browse to the location where the map file was saved using the window that appears.



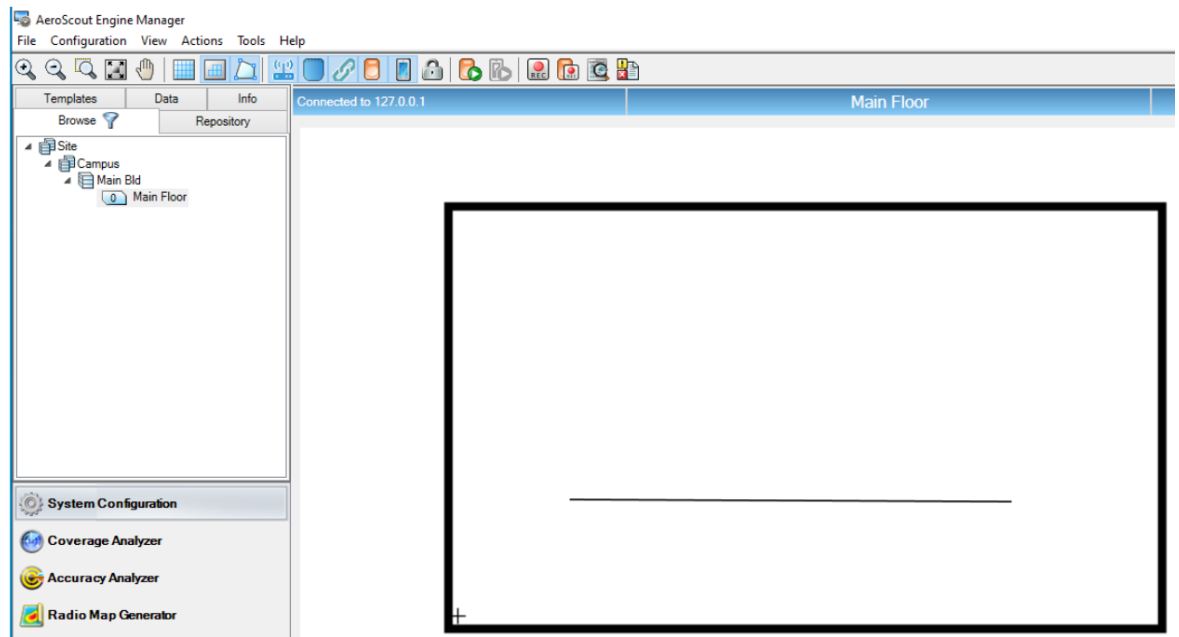
7. The map is displayed in the large section of the window. Right-click on a location on the map (typically the lower- left corner) and select Mark 0,0 from the menu that appears.



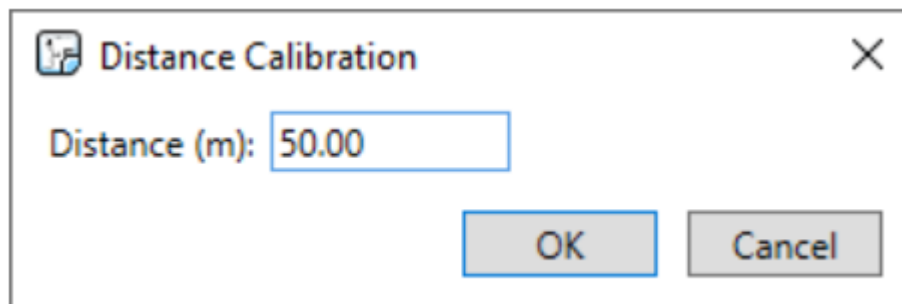
8. If using a real map, right-click at a point on the map image where you know the distance to another point, otherwise just click anywhere on the map. Select Calibration > Calibrate Distance from the menus that appear.



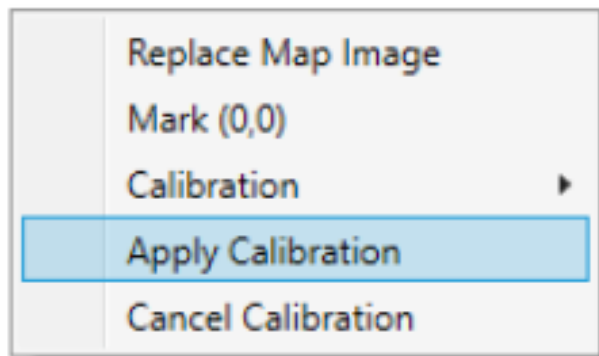
9. If using a real map, click and hold to draw a line to a second point on the map where the distance is known, otherwise just draw an arbitrary line on the map.



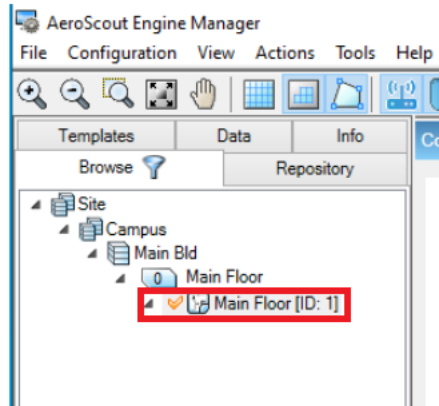
10. If using a real map, enter a Distance between the two points in meters in the dialog window that appears, otherwise enter a typical distance like 50 meters. Click OK.



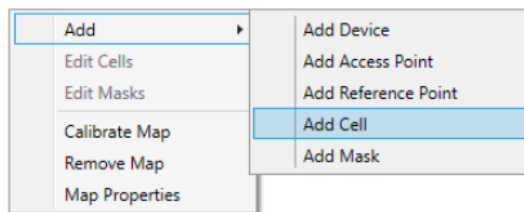
11. Right-click on the map a final time, then select Apply Calibration.



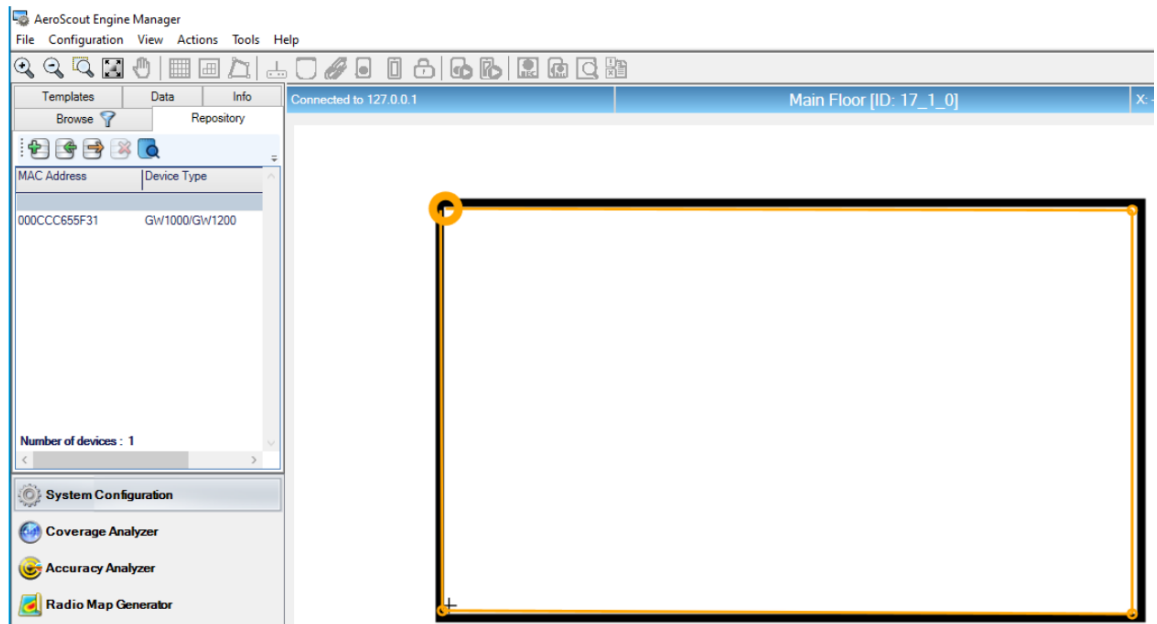
12. Verify your map appears under the floor in the hierarchy under the Browse pane.



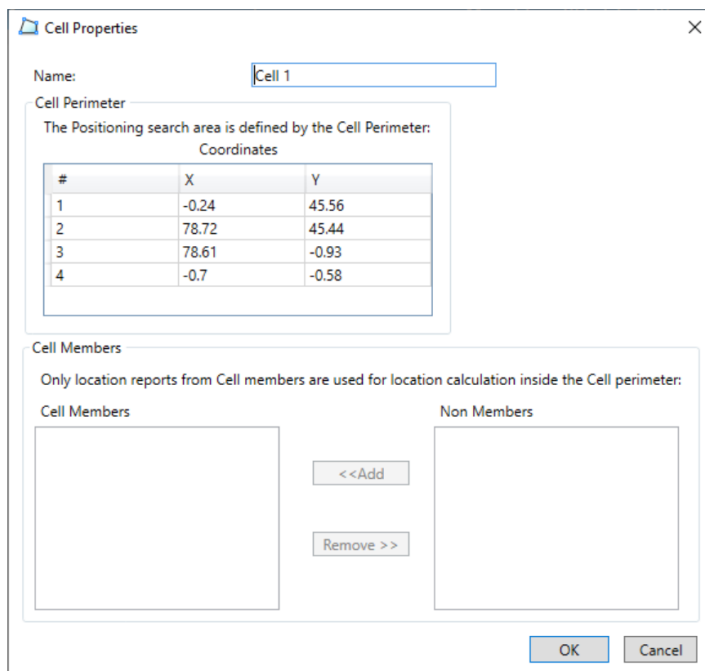
13. Right-click in the map then select Add > Add Cell.



14. Draw a cell around the perimeter of the map. Make sure to close the cell.



15. Click OK on the Cell Properties dialog box.



Cell Properties

Name:

Cell Perimeter
The Positioning search area is defined by the Cell Perimeter:
Coordinates

#	X	Y
1	-0.24	45.56
2	78.72	45.44
3	78.61	-0.93
4	-0.7	-0.58

Cell Members
Only location reports from Cell members are used for location calculation inside the Cell perimeter:

Cell Members

<<Add

Remove >>

Non Members

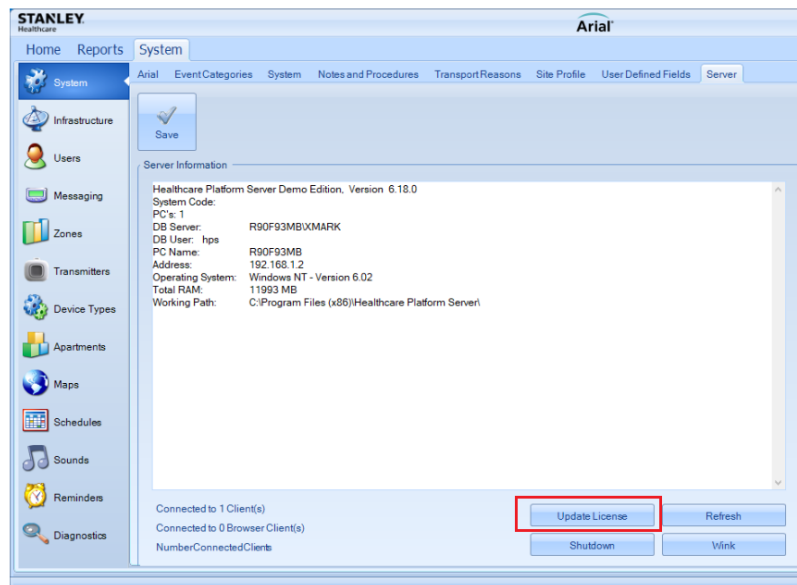
Arial and ALE Integration

The following section explains how to integrate Arial software with the AeroScout Location Engine. The integration is done after the ALE deployment.

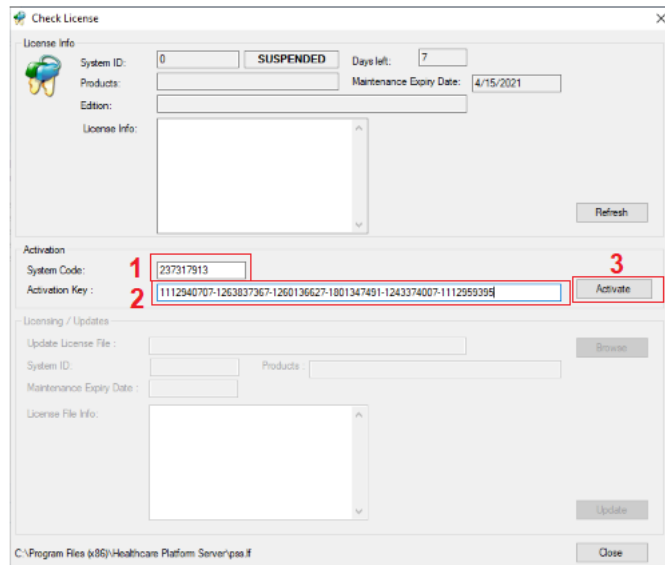
Applying the UL2560 License in Arial

Arial must be licensed for UL2560 to set defaults in the software to match requirements for UL2560. The following procedure must be performed by an Arial Administrator.

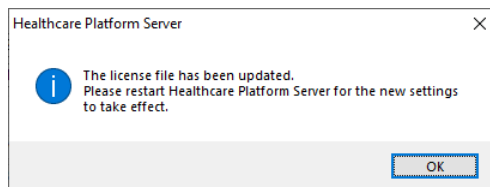
1. Install Arial and HPS Server on the PC that will act as the Arial server (if this has not been completed already). Refer to the latest version of the *Arial Software Installation Guide* for requirements and steps to install the newest version of Arial.
2. An Activation Code and License File are required for this procedure. They are generally supplied on a USB drive included with the system. Contact Technical Support at 800-380-8883 if you need assistance locating these files.
3. Launch Arial and login as an Admin if needed. Go to System > System > Server, then click Update License.



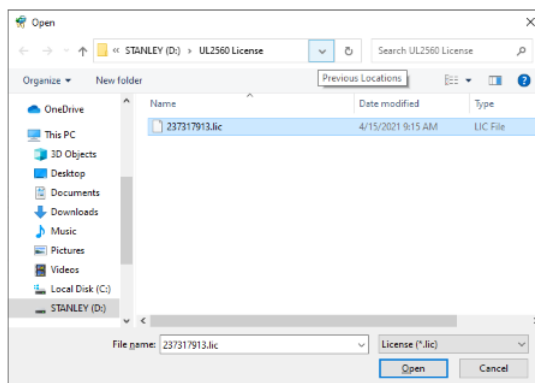
4. A Check License window opens. Locate your Activation File and copy the System Code and paste in the System Code area, then copy the Activation Key and paste in the Activation Key area. When finished, click Activate.



5. If a dialog appears prompting you to Restart Healthcare Platform Server, click OK, but do not restart just yet.



6. Click Browse next to Update License File and locate the .lic file for your system with the provided license information, then click Open on the Open window.



7. Click Update.

Check License

License Info

System ID: 237317913 **ACTIVE**

Products: Arial Maintenance Expiry Date: 7/14/2021

Edition: Healthcare Platform Server (Professional)

License Info:

- Nurse Call
- ALE
- UL2560
- Mobile App
- Enhanced Locate
- Number of locators: 499
- Number of WG Blue Controllers: 99
- Number of Third Party Interfaces: 8

Activation

System Code: 237317913

Activation Key : 1112940707-1263837367-1260136627-1801347491-1243374007-1112959395

Licensing / Updates

Update License File : D:\UL2560 License\237317913.lic

System ID: 237317913 Products : Arial

Maintenance Expiry Date : 4/15/2031

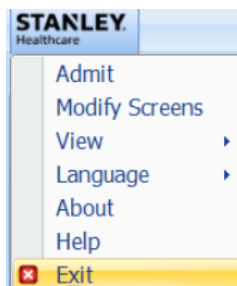
License File Info:

- Number of locators: 499
- Nurse Call
- ALE
- UL2560
- MOBILEAPP
- WanderGuard BLUE
- Enhanced Locate
- Number of WG Blue Controllers: 99

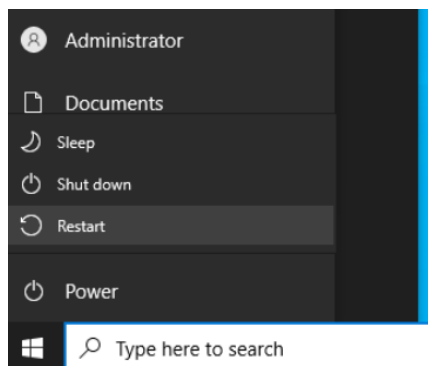
Update

C:\Program Files (x86)\Healthcare Platform Server\pss.lf

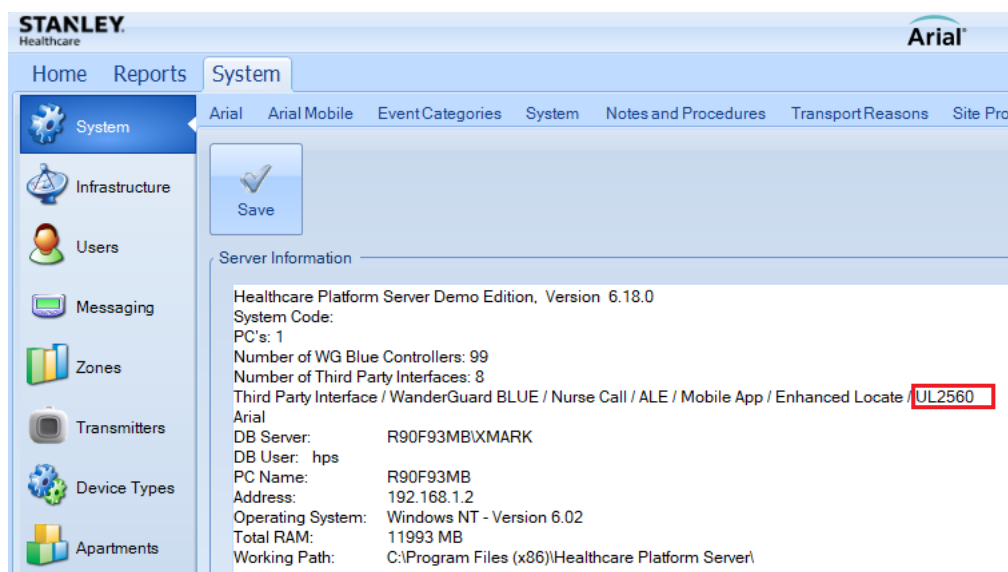
8. If a dialog appears prompting you to **Restart Healthcare Platform Server** again, click **OK**, then click **Close** to close the **Check License** window.
9. Shutdown Arial by clicking on the main **STANLEY Menu** in the upper left corner of the Arial window, then select **Exit**.



10. **Restart the PC** by clicking on the **Windows Menu** in the lower left corner of the PC screen, then selecting **Restart** under the Power options.



11. Wait for the PC to shutdown and boot back up. Arial should load after a few moments. Log in as an Admin if necessary, then navigate to **System > System > Server** and verify **UL2560** appears as a listed license item.



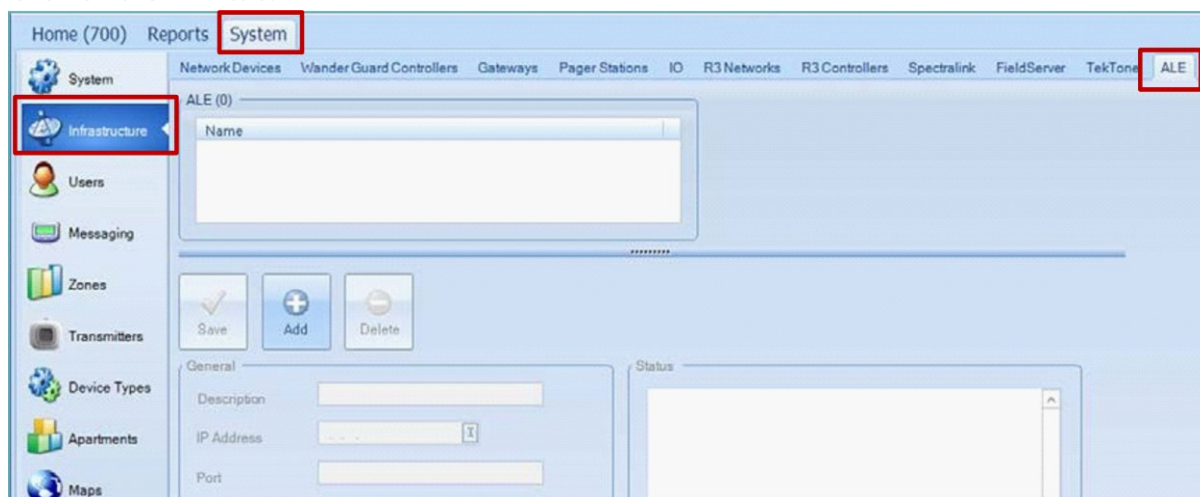
12. Click **Home** to return to the **Main Arial Screen**.

Configuring Arial for ALE

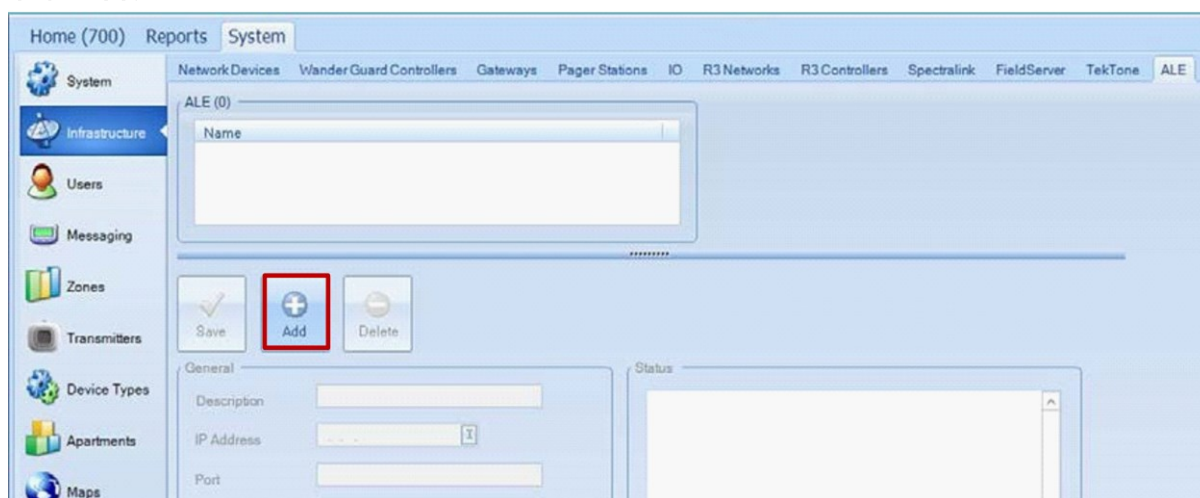
The following procedure must be performed by an Arial administrator.

1. Login to the Arial software.
2. Click on the **System** tab.
3. Select **Infrastructure**.

4. Click on the **ALE** tab.



5. Click **Add**.



6. Under the General section perform the following:
 - a. Enter in the **Description** as ALE.
 - b. Enter in the **IP Address** of the ALE Server (use 127.0.0.1 if AES is installed on same machine as Arial Server software).
 - c. Enter in the **Port** (Default is 1411).
 - d. Enter in the **User** and **Password** for the ALE.
 - e. Check that system **Status** is **Connected**.

f. Leave Event Configuration as is.

The screenshot shows the 'System' configuration window for 'ALE (1)'. The 'General' tab is selected, and the configuration fields are as follows:

Field	Value
Name	ALE env sim
Description	ALE env sim
IP Address	127.0.0.1
Port	1411
User	admin
Password	*****

The 'Status' section shows: 2017-02-14T12:29:31 (0) Connected.

The 'Event Configuration' section includes:

- Missing Device: [Empty]
- Generate: ☒
- Auto Clear: ☒
- Timeout (sec): 90

Buttons: Save, Add, Delete, Clear.

7. Click Save.

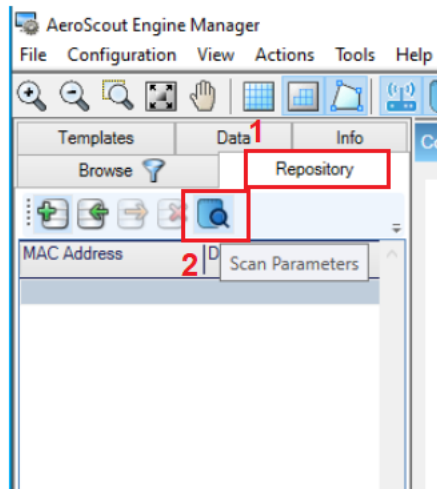
Adding and Configuring Gateways in Engine

Gateways must be mounted and connected before continuing with this section.

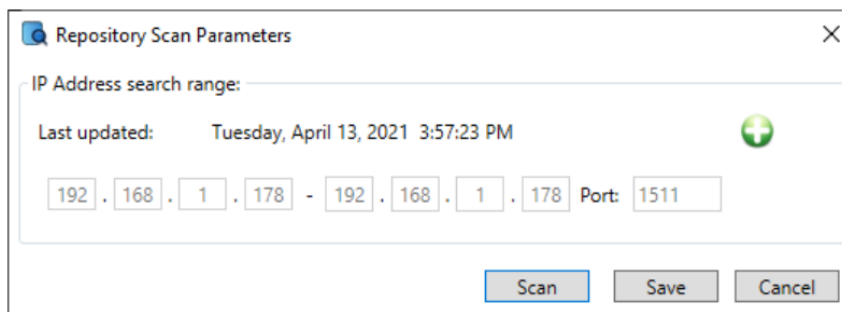
The following section explains how to add and configure Gateways in the Engine. Refer to the **AeroScout Location Engine Deployment Guide** for more details.

Adding Gateway

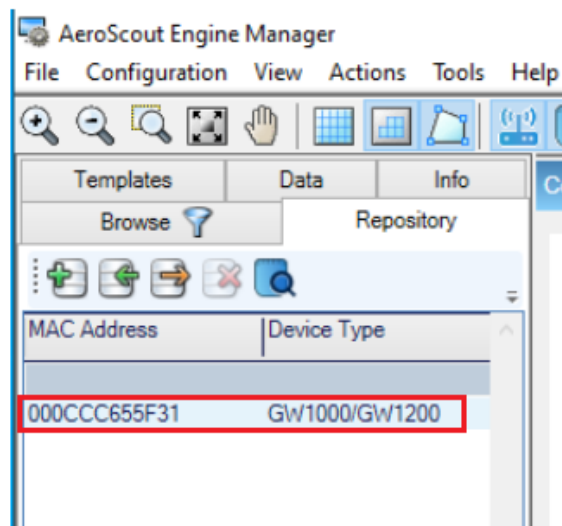
1. Click on the **Repository** tab, then click on the **Scan** button.



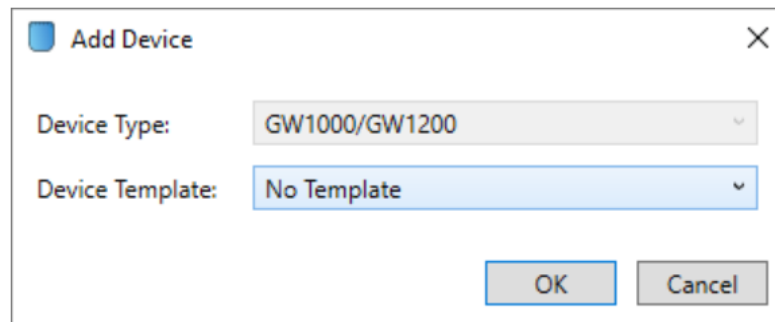
2. Click on the **Scan** button on the **Repository Scan Parameters** dialog that appears.



3. After a moment, verify a new device with **Device Type** of **GW1000/GW1200** appears in the **Repository**. Confirm the **MAC Address** matches the one listed on the label on the back of your GW1000.



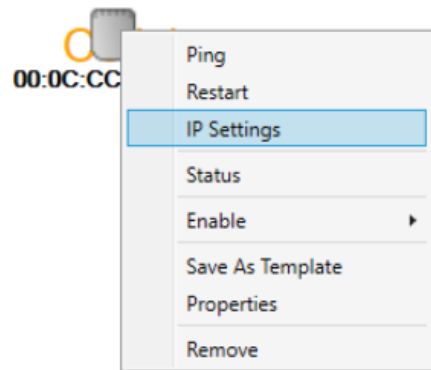
4. Click **OK** on the **Add Device** dialog box.



5. A **Device Properties** dialog box appears. Uncheck the boxes for **Enable Wi-Fi Receiver 1** and **Receiver 2** then click **OK**.

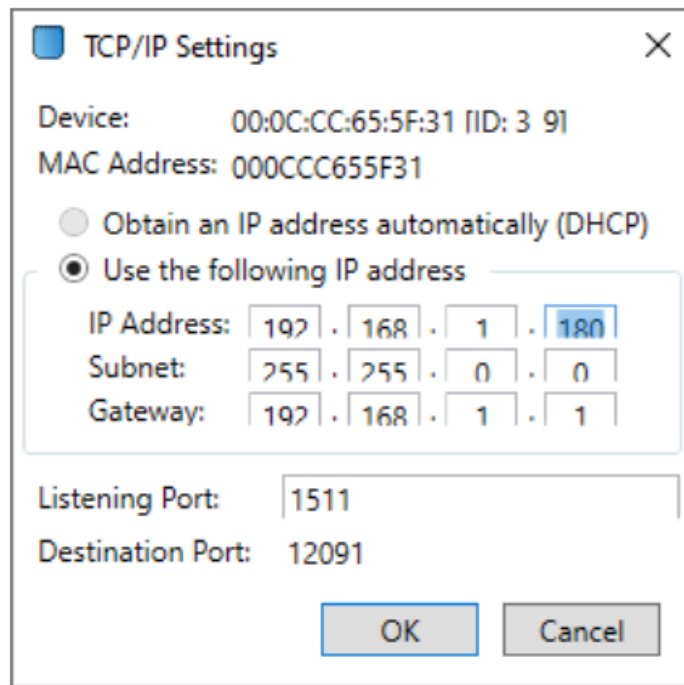
The screenshot shows the 'Device Properties' dialog box with the 'Wi-Fi' tab selected. The 'Functional Modules' section at the bottom contains two checkboxes: 'Enable Wi-Fi Receiver 1' and 'Enable Wi-Fi Receiver 2', both of which are unchecked and highlighted with a red rectangular box. At the bottom right of the dialog, the 'OK' button is also highlighted with a red rectangular box. Other visible fields include 'Device Name' (00:0C:CC:65:5F:31), 'Map' (Main Floor [17_1_0]), 'Template Name' (No Template), 'Coordinates (meters)' (X: 37.26, Y: 24.07, Z: 3.00), 'MAC Address' (00:0C:CC:65:5F:31), 'IP Address' (192.168.1.180), 'Port' (1511), 'Device Model' (Unknown), 'Device Type' (GW1000/GW1200), and 'Enable Device LEDs' (checked).

6. A grey icon for the Gateway where you placed it on the map appears. Right-click the icon and select **IP Settings**.

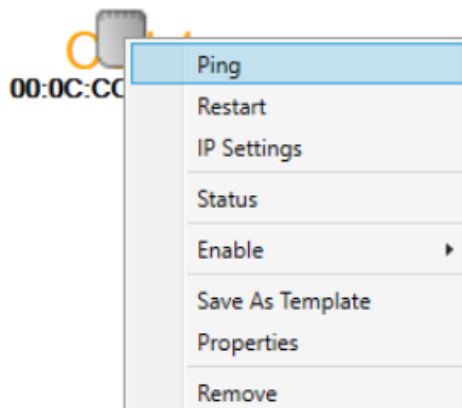


7. A **TCP/IP Settings** dialog box appears. Enter an **IP Address** for the GW1000 that will be unique on the network segment being used. When finished, click **OK**.

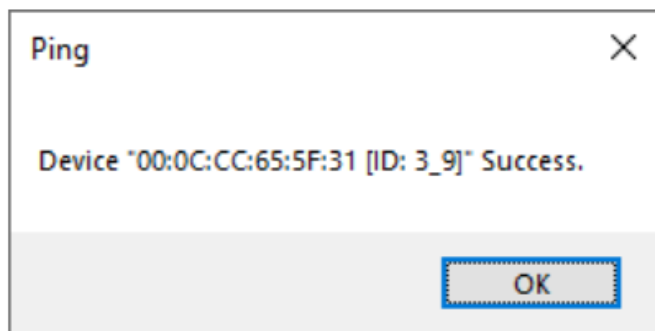
Note: If you are continuing with 192.168.1.2 for the AES PC, then you can change the last byte of the IP so it is no longer .178. This helps prevent problems if another Gateway needs to be added in the future. If you will be changing the IP address of the AES PC, then the IP Address, Subnet, and Gateway need to match the requirements for the LAN you will be using.



8. The gateway should still appear in grey on the map. If required, change the IP address of the AES PC now in the control panels.
9. To make sure the GW1000 is communicating, right-click on the GW1000 icon then select Ping from the menu.



10. A success dialog should appear. If it does not, repeat the steps above to verify the IP address of the GW1000.



11. Click OK.
12. The Gateway is added.

Installing Gateways

Position and mount each GW1000 in the site according to the site survey recommendations. The attached Siren needs to be placed where caregivers can hear the alarm should a system failure occur.

Mounting the Gateway on a Wall

The Gateway is shipped with a mounting template which can be used to measure the holes for mounting the Gateway on a wall or to a sheetrock ceiling. The mounting plate supplied with the Gateway is not required for wall mounting.

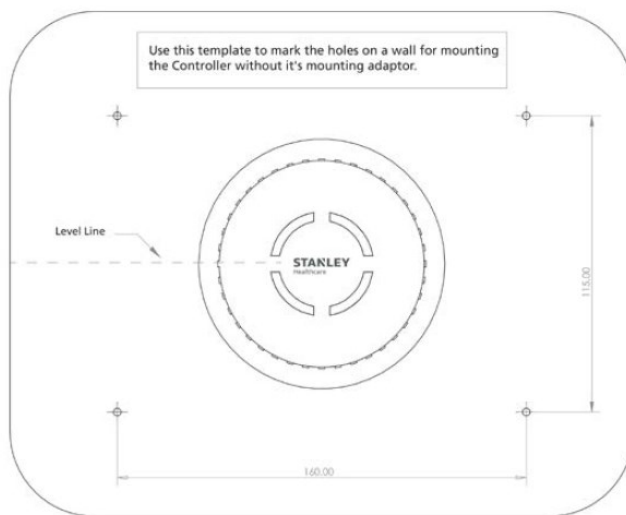


Figure 30. GW1000 Mounting Template
(supplied with the Gateway)

1. Hold the template on the wall in the location you wish to mount the Gateway. Make sure the template is level.
2. Mark the four holes for the screws through the template.
3. Remove the template.
4. Drill the holes for the screws.
5. Anchor the screws into the wall, leaving 10mm of each of the screws exposed. Use appropriate screws and or anchoring plugs.
6. Mount the Gateway with the STANLEY Healthcare logo facing up, onto the 4 screws. The Gateway's back panel has 4 mounting brackets for this purpose.

Note: Alternative mounting kits are available if the Gateway must be mounted on a drop ceiling.