AEDStatus

MANUAL

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WHAT IS AEDSTATUS AND HOW DOES IT WORK?

AEDStatus, powered by ScoutRMS hardware remotely monitors your AEDs to ensure they are always ready in case of an emergency. ScoutRMS hardware is an IoT technology. The Internet of Things (IoT) can be described as physical objects with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the internet or other communications networks.

The ScoutRMS sensor is placed directly behind the AED. This sensor detects when the AED performs its self-test. An AED self-test will check various functions of the AED and will indicate whether it passed or failed the test at the conclusion. This data is then transmitted via cellular connection so that you are fully aware of the status of your AED.

Using cellular technology simplifies the installation by avoiding Wi–Fi where you need to select a network, enter a password, and consult with your company's IT and security teams before adding new devices to the company network. ScoutRMS hardware also recognizes if the AED is ever moved from its location so you can ensure it is returned to its proper place.

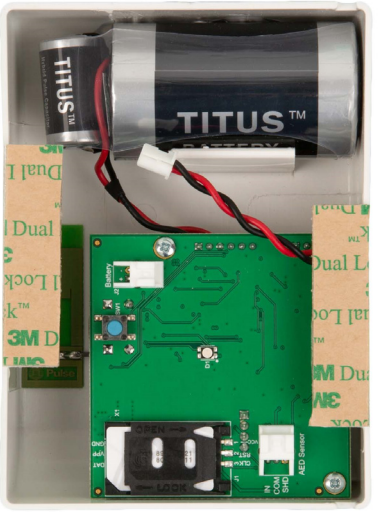
HARDWARE COMPONENTS

AED Sensor:

Reads the electromagnetic signal from the AED. Thin mat (8.75" x 8.75" x .13" thick) is mounted in the cabinet directly behind the AED with mounting tape.

Controller:

Houses the circuit board, SIM Card, modem, battery, and cellular antenna. Injection molded case (3.38" W x 4.13" L x 1.5" H) mounts in the cabinet.



TECHNICAL SPECIFICATION

PATENT

US approved (Patent #11185708) and filed internationally.

COMPATIBLE AEDS

- Cardiac Science G3 (Semi/Auto)
- Cardiac Science G5 (Semi/Auto)
- Defibtech Lifeline (Semi/Auto)
- Defibtech Lifeline ECG
- Defibtech Lifeline View
- Heartsine 350P
- Heartsine 360P
- Heartsine 450P
- Physio Control CR2 (Semi/Auto)
- Philips FRx Philips Onsite HS1
- ZOLL AED Plus (Semi/Auto)
- ZOLL AED 3 (Semi/Auto)

LOW-MAINTENANCE OPERATION

1. ScoutRMS hardware uses a Lithium Thionyl Chloride battery.
2. Software upgrades are automatically pushed "over the air" to ScoutRMS units.
3. Low power components and technology such as Cat M1 are used.
4. ScoutRMS hardware goes into a deep sleep mode between AED self-tests. This reduces battery consumption.
5. To ensure that ScoutRMS hardware is functioning properly, a communications test is performed regularly.

ADVANCED CELLULAR TECHNOLOGY

ScoutRMS hardware can determine the strongest 4G cell carrier available and change carriers if necessary. This is exclusive ScoutRMS technology. Cat M1 cellular data transmission technology is state-of-the-art. It improves efficiency, minimizes data transfer costs, and all but eliminates maintenance.

ARCH PROGRAM MANAGEMENT INTEGRATION

ScoutRMS hardware integrates with Arch to provide visibility necessary to monitor AEDs. Device setup is easy with the QR code and in-application setup wizard.

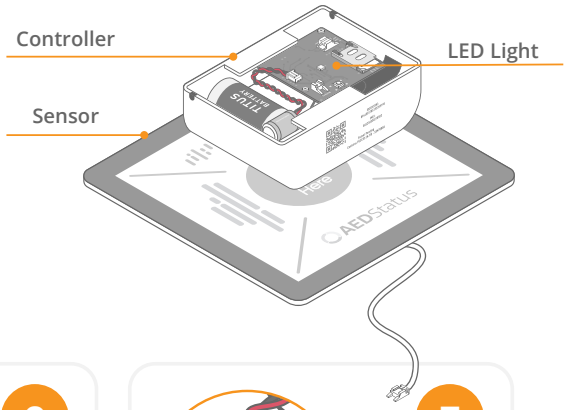
SECURITY AND CONFIDENTIALITY

The device identifies ScoutRMS hardware Partners with a Unique Identifier number (UID) and individual ScoutRMS devices by an International Mobile Equipment Identity number (IMEI). This provides a high level of security and ensures user confidentiality.

WARRANTY

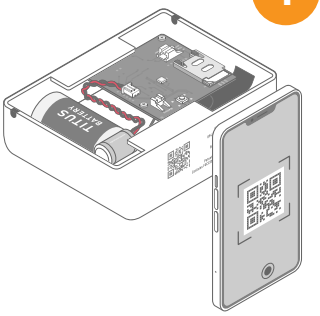
2-year limited warranty. Manufacturer will repair or replace, free of charge, any RMS product that Manufacturer determines to be defective in materials or workmanship.

AEDStatus



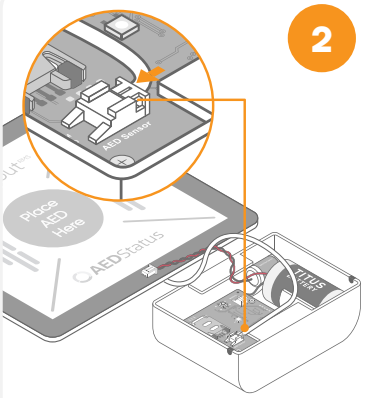
SETUP INSTRUCTIONS

1



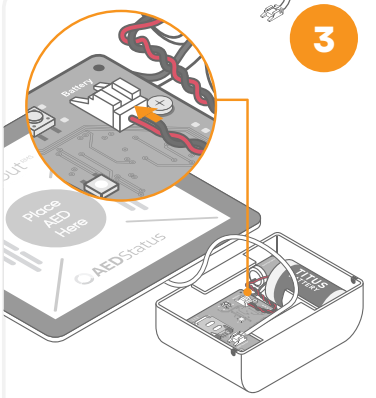
Scan the QR code on the Controller using a smart phone camera. Log into Arch and select which AED from your account you will be connecting to this device.

2



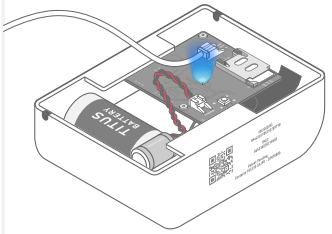
Connect Sensor to Controller via white cable.

3



Connect battery in Controller via red and black cable.

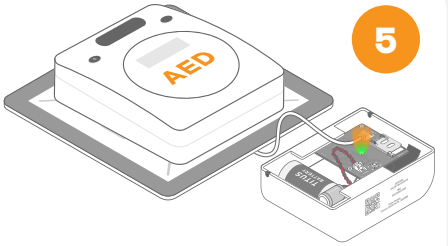
4



Observe LED light to confirm successful connection. Each color typically takes 30 seconds but may take several minutes, depending on cellular connectivity.*

- Blue light will appear when the battery is connected.
- Blue light will change to white light, indicating cellular connection.
- White light will change to orange light, searching for the AED.

5



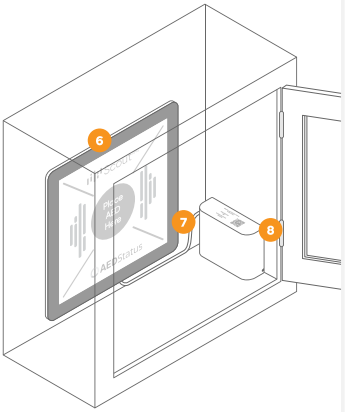
Place AED onto Sensor, turn on AED, and wait for a green flashing light on Controller. Power off AED. Wait for the green light to stop flashing.

- Observe orange light change to green, indicating Scout is now operational.

6 Attach Sensor to AED cabinet using the adhesive strips located on the back of Sensor.

7 Route Sensor cable through cable slot on Controller.

8 Attach Controller to the bottom of hinge-side of cabinet using adhesive strips located on back of Controller.



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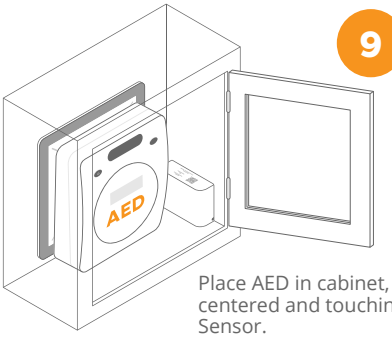
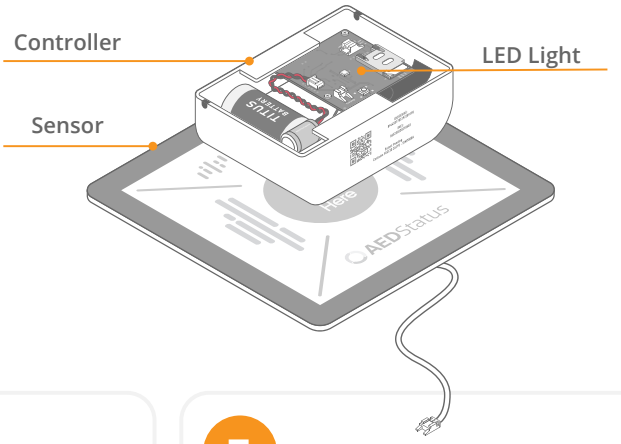


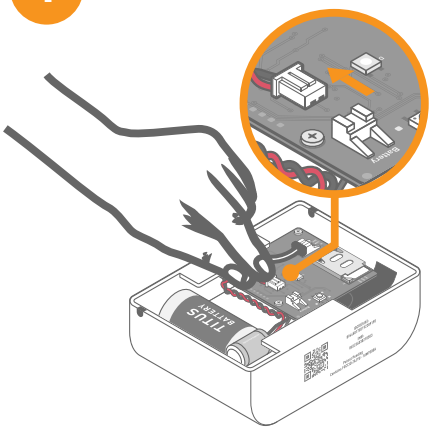
Place AED in cabinet, centered and touching Sensor.

AEDStatus

POWER CYCLE INSTRUCTIONS



1



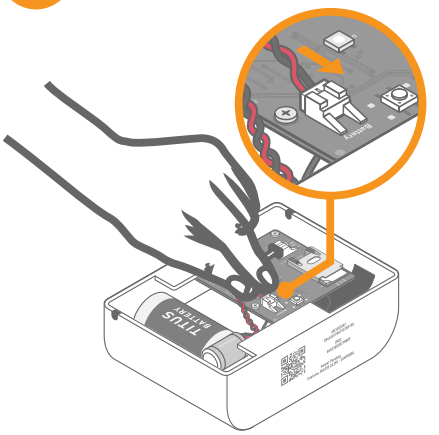
First unplug the battery from Circuit Board via red and black cable.

2

90 SECONDS

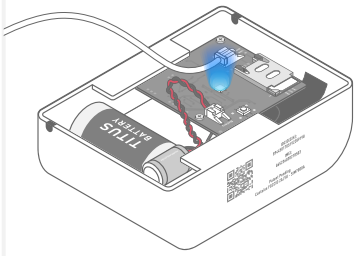
Wait at minimum 90 seconds to allow the device to fully cycle.

3



Reconnect battery in Controller via red and black cable.

4



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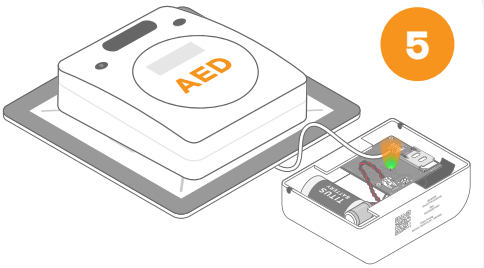

Place AED onto Sensor, turn on AED, and wait for a green flashing light on Controller. Power off AED. Wait for the green light to stop flashing.

- Observe orange light change to green, indicating Scout is now operational.

TROUBLESHOOTING - LED FIRMWARE 1.19

Double Orange = SIM Card Error

1. ScoutRMS device is not registering a connected SIM card. To troubleshoot this error:
    A. Unplug the battery connector
    B. Slide the SIM card tray to the OPEN side and re-seat the SIM card.
    C. Close the SIM card tray and ensure it is fully latched by sliding it back to the CLOSE side.
    D. Wait 90 seconds for the ScoutRMS device to reset, then plug the battery connector back into the green PC board.

Double Yellow = Cellular Connection
Double Magenta = No Response

1. Verify that a cell phone has strong cell signal in the exact spot the ScoutRMS device is being installed. If there is a very weak or nonexistent cellular signal, this device will not connect to the server. Move all AED and ScoutRMS items to an area with better cellular connection
    A. If there is a cell signal, unplug the battery.
    B. Wait 90 seconds, then reattach the antenna and battery connection.
    C. Resume pairing process.

Double Blue = Bad Response

1. Power Cycle.
2. Retry connection
    A. If you get the double blue light error again, leave the device in place. This device will continue to retry connection.

Double Red = Low Battery

1. Power Cycle.
2. Retry Connection
    A. If the double red-light sequence begins again, replace the battery on the unit (if possible).
    B. Otherwise, return the unit to stock where battery can be replaced, and install another unit.
    C. Please call us at 800-313-2493 to clear the registration of replaced ScoutRMS unit.

Double White = Cellular Modem Power Up Failure

1. Power Cycle.
2. Retry Connection
    A. If the double white light sequence begins again, install another unit.
    B. Please call us at 800-313-2493 to clear the registration of replaced ScoutRMS unit.

Single Blue Single Red = Download Firmware Failure

1. Power Cycle.
2. Retry Connection
    A. If the single blue and single red light sequence begins again, install another unit.
    B. Please call us at 800-313-2493 to clear the registration of replaced ScoutRMS unit.

Single Blue Double Red = Firmware Downloaded Is Incorrect/Invalid

1. Please call us at 800-313-2493.

Single Blue Triple Red = Firmware Downloaded Is Incorrect/Invalid

1. Please call us at 800-313-2493.

Single Blue Quadruple Red = Invalid Server Response Failure

1. Complete ScoutRMS registration.
2. Power Cycle.
3. Retry Connection
4. If the single blue and quadruple red light sequence begins again, install another unit.
5. Please call us at 800-313-2493 to clear the registration of replaced RMS unit..

Single Blue Quintupple Red = Invalid Payload/Response

1. Please call us at 800-313-2493.

Single Blue Sextuple Red = Communication Error

1. Verify that a cell phone has strong cell signal in the exact spot the ScoutRMS device is being installed. If there is a very weak or nonexistent cellular signal, this RMS device will not connect to the server. Move all AED and ScoutRMS items to an area with better cellular connection
    A. If there is a cell signal, unplug the battery.
    B. Wait 90 seconds, then reattach the antenna and battery connection.
    C. Resume pairing process.

Single Blue Septuple Red = Unknown Error

1. Please call us at 800-313-2493.

Single Blue every 2-4 seconds ... = Downloading Firmware

1. Do not power cycle or move ScoutRMS during this time. Downloading the firmware can take up to ten minutes to complete.

TROUBLESHOOTING - STATUS

FAULTED AED

1. If the AED status indicator is showing a red status, troubleshoot and resolve the problem with the AED. Make sure that the AED is working, and equipment is not expired.
   a. Power Cycle ScoutRMS.
   b. Proceed to steps 5 and 6 of Setup Instructions.
2. If the AED status indicator is showing a green status, it may have detected another device during the self-test window. The status should correct itself during the next self-test.
3. Proceed to the last page of Setup Instructions if the light sequences differ from the Setup Instructions steps and troubleshoot accordingly.

INVALID AED

1. If the AED status indicator is showing a red status, troubleshoot and resolve the problem with the AED. Make sure that the AED is working, and equipment is not expired.
2. Ensure the device is registered.
   a. Verify correct AED model was selected.
   b. Verify the AED serial number is correct.
3. Ensure that the RMS was installed correctly per set up instructions.
   a. Power Cycle ScoutRMS.
4. Proceed to steps 5 and 6 of Setup Instructions.
5. Proceed to the last page of Setup Instructions if the light sequences differ from the Setup Instructions steps and troubleshoot accordingly.

MISSING AED

1. Ensure that the AED is present and the AED status indicator is showing a green status.
2. Ensure the AED is centered against the AED sensor.
3. Power Cycle ScoutRMS.
4. Proceed to steps 5 and 6 of Setup Instructions.
5. Proceed to the last page of Setup Instructions if the light sequences differ from the Setup Instructions steps and troubleshoot accordingly.

COMM TIMEOUT

1. If the AED status indicator is showing a red status, troubleshoot and resolve the problem with the AED. Make sure that the AED is working, and equipment is not expired.
2. Ensure the device is registered.
   a. Verify correct AED model was selected.
   b. Verify the AED serial number is correct.
3. Ensure that ScoutRMS was installed correctly per set up instructions.
4. Power Cycle ScoutRMS.
   a. Proceed to steps 5 and 6 of Setup Instructions.
5. Proceed to the last page of Setup Instructions if the light sequences differ from the Setup Instructions steps and troubleshoot accordingly.

AED SELF-TEST SCHEDULES

ZOLL AED
ZOLL AED PLUS/ AED 3

WEEKLY*

PHILIPS AED
PHILLIPS ONSITE HS1/ FRX

DAILY

DEFIBTECH
DEFIBTECH LIFELINE/ LIFELINE VIEW

DAILY

PHYSIO CONTROL
LIFEPAK CR2

DAILY

HEARTSINE AED
HEARTSINE SAMARITAN 350P/ 360P/ 450P

WEEKLY*

CARDIAC SCIENCE
CARDIAC SCIENCE POWERHEART G3/ G5

DAILY

* Weekly self-tests can be configured to daily by the user.

AEDStatus

FOR ADDITIONAL ASSISTANCE, PLEASE CALL US AT 800-313-2493.