#### **User Guide**

# Getting Started with Instadose Companion Mobile App







# **TABLE OF CONTENTS**

	Page #
WHAT'S NEW IN THIS VERSION	4
ABOUT US	6
USER ACCESS FEATURES	8
USING THE INSTADOSE COMPANION MOBILE APP AS AN ADMIN	9
SINGING IN AND OVERVIEW SCREENS	10
BADGE SCREENS	12
USING THE INSTADOSE COMPANION MOBILE APP AS A WEARER	13
SINGING IN AND OVERVIEW SCREENS	14
BADGE SCREENS	16
BADGE READER STATUS & ACTIVITY SCREENS	17
USER PROFILE & ABOUT SCREEN INFORMATION	18
WARNING MESSAGES	20



# WHAT'S NEW IN THIS VERSION

Instadose Companion Mobile App now comes enhanced with new screens, dose summaries and analytics data, and providing users with an elevated level of actionable information for better engagement and compliance.

- Device Scanning from the login screen (without the need for user login) with the ability to read dosimeters within range in the background.
- **Welcome Screen** with alert notifications front and center.
- Multiple Accounts/Locations Access (for Admins Only) allows
   admins to switch between multiple locations, allowing for a global
   view of the entire dosimetry monitoring program and stay abreast
   of critical program stats.
- Wearer Insights Screen provides a summary of information, trending data, and dose analytics based on user access level (Account/Location Administrator, Wearer).
- Badges Screen (for Admins Only) provides a list of all assigned badges for selected location, enabling a detailed drill-down view into wearer, badge, and dose data information.
- My Badge Screen (for Wearers) features detailed wearer information, dose overview, and read history results.
- Badge Reader Screen automatically detects and transmits dose data from badges within range, providing visual confirmation of successful communication from assigned badges (user logindependent).
- Activity Screen provides actionable access to alerts (including high dose, overdue communication, and temperature error) with visibility into successful/unsuccessful dose reads.

# Wireless Instadose® Dosimetry System

The Wireless Instadose® dosimetry system consists of three main components: a wireless dosimeter (either Instadose®+, Instadose®2 or Instadose®VUE), a communication device (either a smart device with the *Instadose Companion* Mobile App or an InstaLink®3 Gateway), and an online reporting system accessed through a PC. These three components work together to capture, monitor, and transmit an individual's exposure to ionizing radiation and maintain a comprehensive archive of official dose records for both dosimeters and wearers.





Instadose®VUE Dosimeter

InstaLink®3 Gateway



Instadose Companion Mobile App



Internet-enabled computer (access to instadose.com)

# **About Us**

Mirion Medical Dosimetry Services is the first name in dosimetry service innovation. We don't just deliver cutting edge products and services, we invent them. With over 75 years of dosimetry experience, we provide the most technologically advanced dosimeters on the market and a first-rate commitment to customer satisfaction. Our line of revolutionary Instadose® dosimeters are transforming the way facilities manage their radiation monitoring programs.

Instadose is a smarter radiation monitoring platform that is simplifying administration, reducing costs and transforming how staff are monitored and safeguarded from radiation over-exposure. Now, immediate dose reads can be captured by internet-enabled computers, smartphones, and tablets (Android and iOS), InstaLink-USBs, and InstaLink Hotspots.

The Instadose® Mobile App wirelessly communicates and securely transmits accumulated dose data from Instadose®+ and Instadose®2 digital dosimeters to Mirion servers where dose information is archived in the wearer's legal dose of record. Automatic dose reads are performed on an established calendar setting (set by your account administrator) and manual dose reads can be performed at any time by pressing the button on the back of the dosimeter for 4-seconds. Successful transmission occurs when the dosimeter is in range of the mobile device with the *Instadose Companion* Mobile App opened and "searching for devices" appears on the main screen. Dose results, history, and wearer/dosimeter information can be immediately viewed (by the individual wearer or admin only) directly on the app after a successful dose communication/transmission.

#### **User Access Levels**

The *Instadose Companion* Mobile App allows four user types to access applicable account and dose data:

- Radiation Safety Officer (RSO) is defined as the Account Administrator and can access info/details for all accounts, locations, and wearers.
- Location Administrators can access <u>ONLY</u> the info/ details for their assigned locations and wearers.
- Group Administrators can access <u>ONLY</u> the info/ details for the assigned wearers within their group.
- Wearers can <u>ONLY</u> access their own information and badge/dose details.

## **Mobile App Accessibility**

- An internet connection must be active on the mobile device.
- Bluetooth® must also be enabled on the mobile device.
- For Android: Location Services must be enabled and the APP must be allowed to access the user location (in order for Bluetooth scanning to be enabled).
- Appropriate messages are displayed if any of the above accessibility conditions are not met.
- If all app accessibility conditions above are met, any badge within range can be read by the app on your mobile device.

# User Access Features By Level

#### **RSO/Account Administrator**

- Scan & read badges within range.
- · View profiles (own & admins and wearers).
- · Change username, password & email.
- Select & view details for any location within their account.
- View current/previous month dose accumulation for all wearers (for selected location).
- View location dose accumulation per month for a 12-month period (based upon selected location).
- Wearer Monthly Dose: View wearer current monthly dose (for selected location).
- View last/next calendar read & read frequency.
- View badges that need to be read (communication overdue).
- View number of assigned wearers, active badges, badges with communication overdue alerts, & the average dose per wearer (for selected location).
- View dose overview for a specific badge/wearer (month-to-date, quarter-to-date, year-to-date and lifetime).
- View dose read history for any badge/wearer.
- View activity summary/badge alerts (high dose, communication overdue, and temperature error).

#### **Location Administrators**

 Same features as an RSO/Account Admin, but only for wearers within their assigned location(s).

## **Group Administrators**

 Same features as an RSO/Account Admin, but only for wearers in their assigned group.

#### **Wearers**

- Scan & read their assigned badges.
- View their own profile.
- Change their own username, password & email.
- View their wearer monthly dose.
- View their dose accumulation: this month/month-todate, previous month, quarter-to-date, year-to-date and lifetime dose.
- View dose read history for all assigned badges.
- View when any assigned badge was last read.
- View their activity summary & badge alerts.

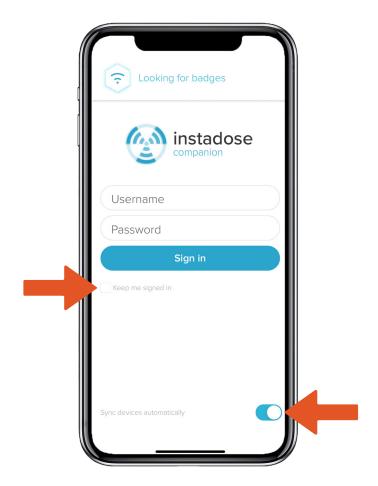
# Using the *Instadose*Companion Mobile App as an Admin



# Sign In Screen

#### To Sign In:

- 1. Enter Username & Password
- 2. Click Sign In
- **3.** Checking **Keep Me Signed In** will enable the app to remember your sign in credentials.
- **4. Sync Devices Automatically** should be turned ON whenever possible, but specifically when scanning and reading devices is intended.

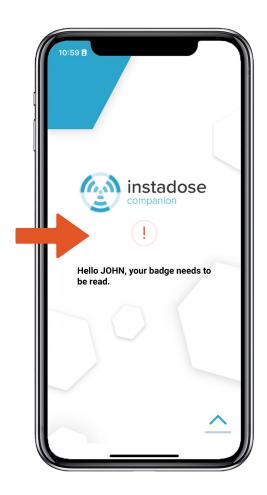


# **Welcome Screen**

The welcome screen notifies the user of any badge alerts (high dose, communication overdue) registered within the last 30 days.

If there are any badge alerts, the alert icon color is **Orange**.

Clicking on the alert icon will take the user to the Activity detail screen corresponding to the alert



# **Overview Screen:**

### **Dose Card**

Location Dose Card ring color

- Gray If the current month is 0 or there's no dose history.
- Blue If the current month has data/dose value.
- Orange If the current month dose is higher than the previous month dose.

**Dose Card** displays the total accumulated dose value for current month (top) and last/previous month (bottom).

 "O dose" means - The dose exists but dose value is less than minimum reportable dose (MRD) value.

 "No Dose History" - means NO dose record exists for that location for that period (current/last month).

The current and last month records in dose card correspond to the values in the Acc. Location Dose/

Results shown correspond to badges/wearers in the selected location, which is selected in the drop down at the top of the screen.



# Overview Screen: Welcome Tile - Alert Icon

There are three (3) types of alerts that, if applicable, will be displayed in the Welcome tile of the **Overview** screen:

- Communication Overdue
- High Dose
- Temperature Error

If wearers in the selected location have badge alerts, or an individual wearer has any badge alerts, the alert icon will be **Orange**. Clicking on the alert icon will take the user to the Activity detail screen corresponding to the alert.

Results displayed are based on the selected location (circled in red) and user access level:

- Location/Account Admins will see all alerts for the badges within the selected location.
- Wearers will see their own badge alerts.



**Overdue Alert** 





Communication High Dose Alert Temperature Error Alert

#### **For Communication Overdue Alerts:**

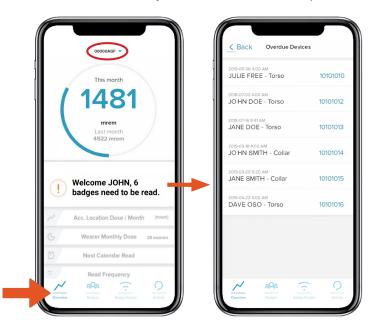
# Badges need to be read - Clicking on this alert will take the user to
the Overdue Devices detail screen listing all the wearers/badges that
have had unsuccessful dose reads (both automatic calendar set and
manual) within the last 30-days for the selected location (circled in
red).

#### For High Dose Alerts:

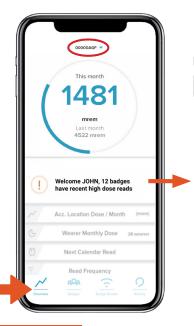
# Badges have recent high dose reads - Clicking on this alert will take
the user to the Read History detail screen listing all wearers/badges
with high dose reads within the last 30- days for the selected location
(circled in red).

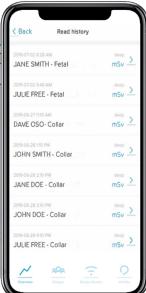
#### **For Temperature Error Alerts:**

 # Badges have recent temperature errors - Clicking on this alert will take the user to the Read History detail screen listing all the wearers/ badges that have had unsuccessful dose reads due to a temperature error within the last 30-days for the selected location (circled in red).

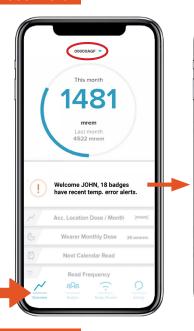


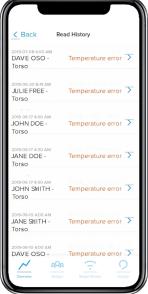
Communication
Overdue Alert





#### Communication High Dose Alert





Temperature Error Alert

# **Overview Screen:**

## **Acc. Location Dose/Month**

Acc. Location Dose/Month displays the total accumulated dose value by month for the selected location (circled in red).

Only months with existing data will be displayed on the graph, months with no existing data will be hidden.

This month

4522 mrem

Acc. Location Dose / Month

The chart captures data for the last 12 months.

If there is no data the **No Dose History** message
will be displayed.

Clicking the **Acc. Location Dose/Month** allows the user to pick a Month & Year from the drop down list (from 2000 to the present year).

Entering a Month & Year will take the user to the **Read History** screen listing the reads for the time period entered.

Results shown correspond to badges/wearers in the selected location (circled in red.)

No data is displayed if there are no records to display (ex. new wearer with no prior data/records).

Note: The most recent reads, up to a maximum of 250, will be displayed for the selected period.



# **Overview Screen:**

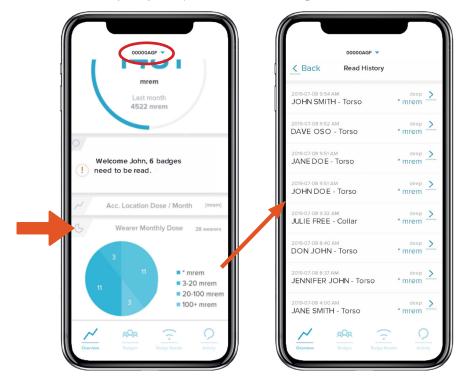
## **Wearer Monthly Dose**

**Wearer Monthly Dose** chart displays the number of wearers with dose values in the displayed ranges for the current month.

Results shown correspond to badges/wearers in the selected location (circled in red.)

Clicking the pie chart tile will redirect to the **Reading History** screen showing the dose reads available for the current month.

If there is no data, the 'No Dose History' message will be displayed.



# **Overview Screen:**

## **Next Calendar Read & Frequency**

**Next Calendar Read** displays the last calendar read date and the next calendar read date.

If there is no last read date, the **Pending First Read** message is displayed.

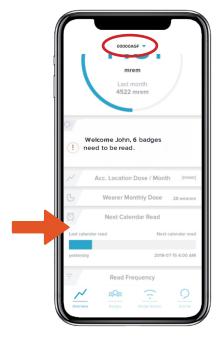
If no calendar is assigned to the location, a **No Calendar Assigned** message is displayed.

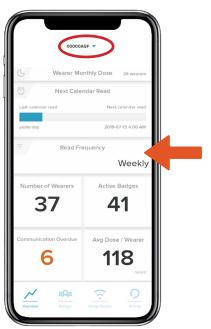
The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

The Read Frequency tile shows:

- # of Assigned Wearers
- # of Active Badges
- # of Communication Overdue Badges (within last 30-days)
- Avg dose/wearer (for last 30-days)

Results shown are based on the selected location.





# **Badges Screen:**

#### **Wearer Information / Dose Overview**

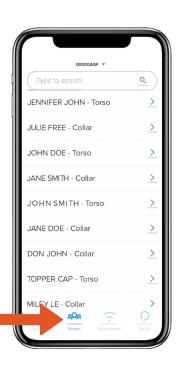
The Badges screen loads assigned wearers for the selected location (circled in red). Full name of the wearer is displayed, followed by the body region for the badge (ex. Torso, Collar).

#### Wearer Information:

- Photo of the badge type (name of the badge type appears under wearer name)
- Wearer full name
- Location (assigned)
- Role (corresponds to the role assigned/entered: RadTech, Nurse, Cardiologist, Surgeon, etc.)
- Group (corresponds to the assigned group)
- Body region (where badge is worn)
- Badge #
- Badge color

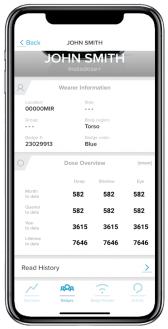
#### Dose Overview:

- Deep, Shallow and Eye dose for the Month, Quarter, Year and Lifetime to Date shown for the assigned wearer. Note: If there is NO dose available for current month, the dose values for Month-to-date will be blank.
- The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) setup for the location assigned.





Wearer Information



Dose Overview

# **Badges Screen:**Wearer Read History

Clicking the Read History tile will take the user to the Read History screen for the selected wearer.

#### Read History Screen includes:

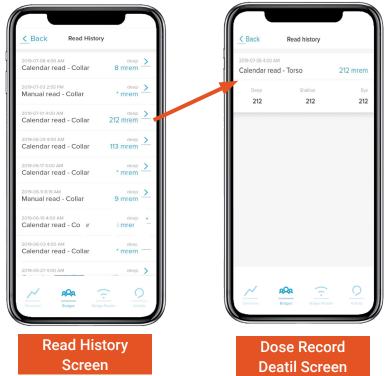
- Dose read date/time
- Type of read (calendar or manual)
- Body Region (where the device is worn)
- Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.
   Note: An \*(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).
- Temp Error (unsuccessful dose reads)

Clicking on a dose record from the Read History screen will take the user to the Read History detail screen for the selected dose record.

#### Dose Record Detail displayed includes:

- Dose read date/time
- Type of read (calendar or manual)
- Body Region (where the device is worn)
- Deep, Shallow, Eye dose values. Note: An \*(asterisk)
  will be displayed if the dose value is less than Minimum
  Reportable Dose (MRD).
- Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.





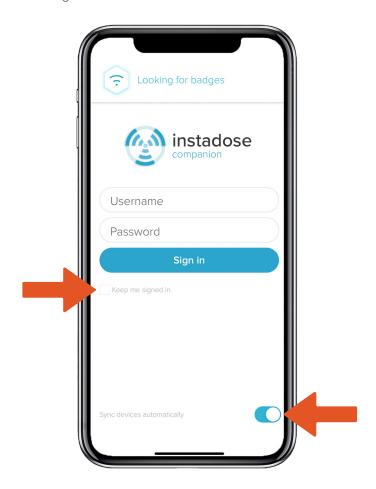
# Using the *Instadose*Companion Mobile App as a Wearer



# Sign In Screen

#### To Sign In:

- 1. Enter Username & Password
- 2. Click Sign In
- **3.** Checking **Keep Me Signed In** will enable the app to remember your sign in credentials.
- **4. Sync Devices Automatically** should be turned **ON** whenever possible, but specifically when scanning and reading devices is intended.

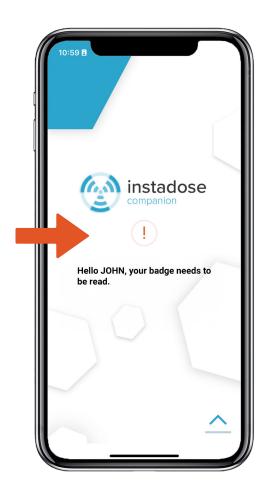


# **Welcome Screen**

The welcome screen notifies the user of any badge alerts (high dose, communication overdue) registered within the last 30 days.

If there are any badge alerts, the alert icon color is orange.

Clicking on the alert icon will take the user to the Activity detail screen corresponding to the alert



# **Overview Screen:**

## **Dose Card**

Location Dose Card ring color

- Gray If the current month is 0 or has no dose history.
- Blue If the current month has data/dose value.
- **Orange** If the current month's dose is higher than the previous month's dose.

**Dose Card** displays the total accumulated dose value for current month (top) and last/previous month (bottom).

 O dose means - The dose exists but dose value is less than Minimum Reportable Dose (MRD) value.

No Dose History - means
 NO dose record exists for
 that location for that period
 (current/last month).

The current and last month records in dose card correspond to the values in the Acc. Location Dose/

Results shown correspond to wearer profile/login entered (circled in red.)

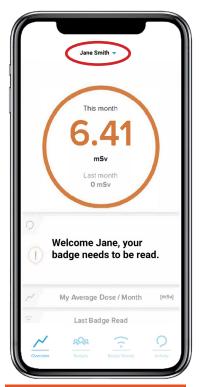


# Overview Screen: Welcome Tile - Alert Icon

There are two (2) types of alerts that, if applicable, will be displayed in the Welcome tile of the **Overview** screen:

- Communication Overdue
- High Dose

If the wearer has any badge alerts, the alert icon will be orange. Clicking on the alert icon will take the wearer to the detail screen corresponding to the alert.



Communication
Overdue Alert



Communication High Dose Alert

#### **For Communication Overdue Alerts:**

- If the wearer has only one (1) assigned badge, the alert will prompt the wearer to read their badge Clicking on this alert will take the wearer to the Badge Reader screen to read their assigned badge. (See page 23.)
- If the wearer has more than one (1) assigned badge, the alert will show the wearer the number of badges that need to be read - Clicking on this alert will take the wearer to the Overdue Devices detail screen listing all their assigned badges that have had unsuccessful dose reads (both automatic calendar set and manual) within the last 30-days.

#### **For High Dose Alerts:**

- If the wearer has only one (1) assigned badge, the alert will tell the wearer their badge has a recent high dose read - Clicking on this alert will take the wearer to the Read History detail screen showing all high dose alerts within last 30 days for their assigned badge.
- If the wearer has more than one (1) assigned badge, the alert will show the wearer the number of assigned badges that have recent high dose reads - Clicking on this alert will take the wearer to the Read History detail screen listing all their assigned badges with high dose reads within the last 30-days.



# Overview Screen: Average Dose/Month

My Average Dose/Month displays the wearer's total accumulated dose value by month.

Only months with existing data will be displayed on the graph, months with no existing data will be hidden.

The chart captures data for the last 12 months.



Clicking the **My Average Dose/Month** allows the user to pick a Month & Year from the drop down list (from 2000 to the present year).

Entering a Month & Year will take the user to the **Read History** screen listing the reads for the time period entered.

Results shown correspond to badges/wearers in the selected location (circled in red.)

No data is displayed if there are no records to display (ex. new wearer with no prior data/records).

Note: The most recent reads, up to a maximum of 250 will be displayed for the selected period.



# **Overview Screen:**

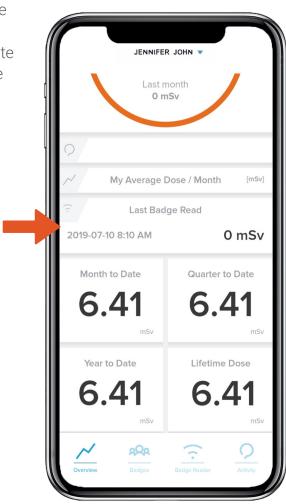
## Last Badge Read

Last Badge Read shows the wearer's last badge read date, time and dose value.

The Last Badge Read tile also shows the wearer's cumulative dose values for:



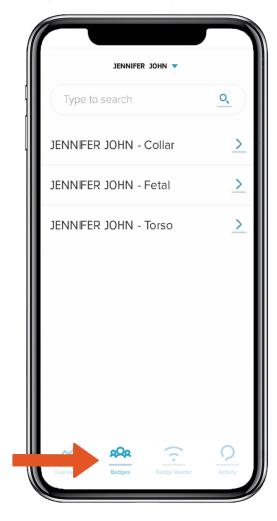
- Year to Date
- Ouarter to Date
- Lifetime Dose



## Badges Screen: My Badge

The My Badge screen loads all the badges assigned to the wearer.

Full name of the wearer is displayed, followed by the body region for the badge (ex. Torso, Collar).



## **Badges Screen:**

### **Wearer Information / Dose Overview**

The Badges screen loads assigned wearers for the selected location (circled in red). Full name of the wearer is displayed, followed by the body region for the badge (ex. Torso, Collar).

#### Wearer Information:

- Photo of the badge type (name of the badge type appears under wearer name)
- Wearer full name
- Location (assigned)
- Role (corresponds to the role assigned/entered: RadTech, Nurse, Cardiologist, Surgeon, etc.)
- Group (corresponds to the assigned group)
- Body region (where badge is worn)
- Badge #
- Badge color

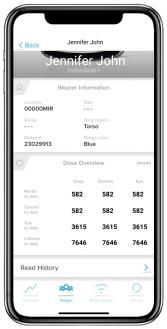
### Dose Overview:

- Deep, Shallow and Eye dose for the Month, Quarter, Year and Lifetime to Date shown for the assigned wearer. Note: If there is NO dose available for current month, the dose values for Month-to-date will be blank.
- The measurement displayed (mrem) corresponds to the Unit of Measure (UOM) setup for the location assigned.





Wearer Information



Dose Overview

# **Badges Screen:**Wearer Read History

Clicking the Read History tile will take the user to the Read History screen for the selected wearer.

### Read History Screen includes:

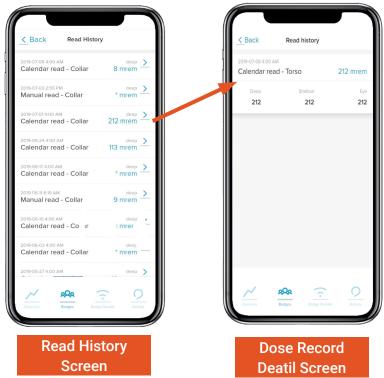
- Dose read date/time
- Type of read (calendar or manual)
- Body Region (where the device is worn)
- Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.
   Note: An \*(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).
- Temp Error (unsuccessful dose reads)

Clicking on a dose record from the Read History screen will take the user to the Read History detail screen for the selected dose record.

### Dose Record Detail displayed includes:

- Dose read date/time
- Type of read (calendar or manual)
- Body Region (where the device is worn)
- Deep, Shallow, Eye dose values. Note: An \*(asterisk)
  will be displayed if the dose value is less than Minimum
  Reportable Dose (MRD).
- Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.





# Badge Reader Status & Activity Screens



# Badges Reader Status:

The octagon-shaped status icon turns blue when badges have been detected.

Status is shown (in blue text) below the octagon icon.

### There are 8 status types:

- Looking for badges
- Connecting badge
- Reading
- Querying (serial#)
- Reading doses (serial#)
- Sending reads for badge (serial#)
- Finished reading badge (serial#)
   Note: this is a successful read.
- Time Out/Unsuccessful
   Note: this is an unsuccessful read.

















## **Badge Reader Screen:**

After successful communication, the details shown correspond to the badge read.

- Badge type (ex. Instadose+, Instadose2)
- Serial number (in blue)
- Type of read (calendar/manual)
- Date/time of read
- Dose value (deep)

An \*(asterisk) will be displayed if the dose value is less than Minimum Reportable Dose (MRD).

Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

If multiple dose records (stored on the dosimeter) are communicated at the same time, only the lastest date/time stamp will show on this screen. Click Read History to view all dose records communicated/ transmitted.

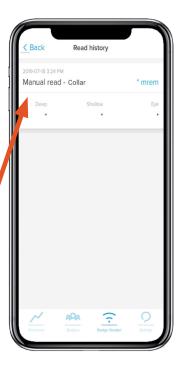
Clicking on the dose record will take wearer to the **Read History** detail screen for that dose record.

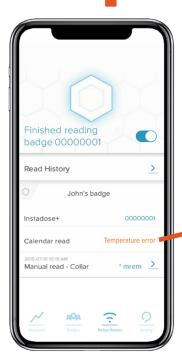
If there is a Temp Error, the following details will be displayed:

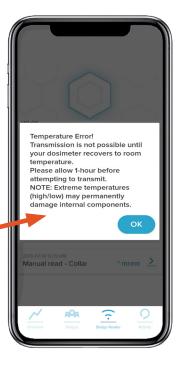
- Badge type (ex. Instadose+, Instadose2)
- Serial number (in blue)
- Type of read (calendar/manual)
- Date/time of read
- Temp Error (where the dose value should be)

Clicking on the temperature error dose record will reveal the 'Temperature Error!' pop-up message instructing users what to do next.









# **Activity Screen:**

The Activity screen displays all applicable alerts for badges assigned to the wearer:

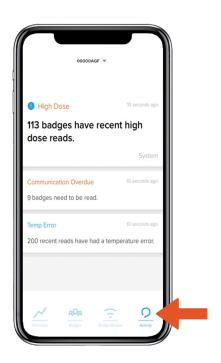
- High Dose
- Communication Overdue
- Temperature Error

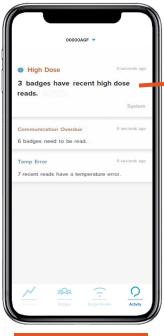
### For High Dose Alerts:

Clicking the High Dose alert will take the wearer to the Read History screen showing a list of recent high dose reads (within last 30 days) along with corresponding details:

- Date and time of read
- Wearer name body region
- Dose details (deep/shallow/eye)
- Measurement displayed (mrem) corresponds to the Unit of Measure (UOM) set-up for the location assigned.

Clicking on any of the dose records listed (on the Read History screen) will take the wearer to the **My Badge** screen showing dose details for the selected dose record.







Read History Screen

Dose Record Deatil Screen

# **Activity Screen:**

### **For Communication Overdue Alerts:**

If a wearer has only one (1) badge assigned to them, clicking the Communication Overdue tile will take the wearer to the Badge Reader screen, with a pop-up message instructing the wearer how to read their badge.

If wearer has multiple badges assigned to them, clicking the Communication Overdue tile will take the wearer to an Overdue Devices detail screen listing any badges assigned to the wearer, which are overdue for communication.

- Date and time of read
- Wearer Name Body Region
- Badge serial # (in blue)

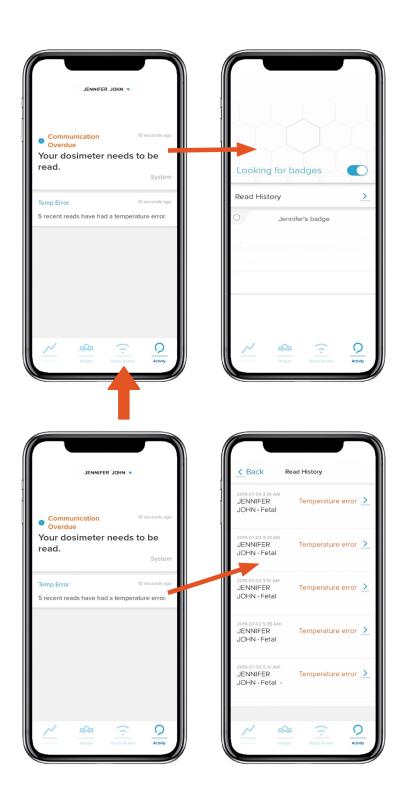
Clicking on any of the badges listed (on the Overdue Devices screen) will take the wearer to the Badge Reader screen, with a pop-up message instructing the wearer how to read their badge.

Communication Overdue alerts can occur when either an automatic calendar read or manual read is not successfully performed/transmitted.

### For Temperature Error Alerts:

Clicking the Temp Error tile will take wearer to Read History detail screen showing all their devices with recent temperature error reads.

- Date and time of read
- Wearer Name Body Region
- Temp Error (in orange)



# User Profile & About Screen Information

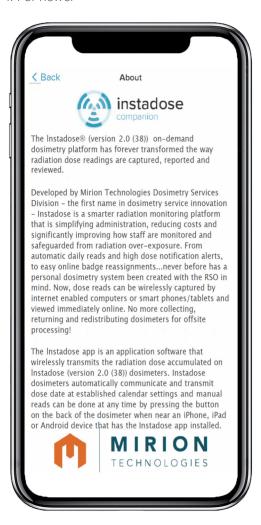


## **About Screen**

The About screen provides information about the product, company and Mobile App.

The updated *Instadose Companion* Mobile App (version 2.0.0) is compatible with:

- iOS version iOS 9.0 or newer
- Android version Kitkat 4.4 or newer.



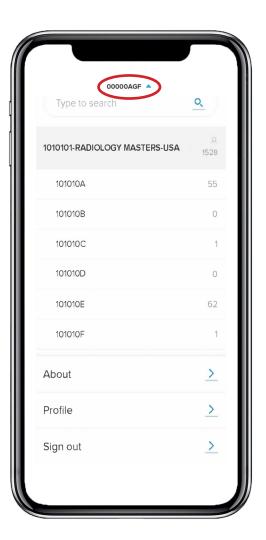
# LOCATION SELECTOR SCREEN

If you have user access level above wearer, clicking the blue triangle icon at the top of the screen will drop down a list of available locations to select. (Note: The available locations correspond to the access level of the user profile logged in.)

When a location is selected, it will default to the Overview Screen for that location.

The following menu options are also available from this screen:

- About (information about the Mobile App)
- Profile (Opens User Profile Information)
- Sign out

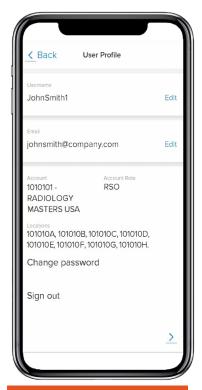


## **User Profile Screen:**

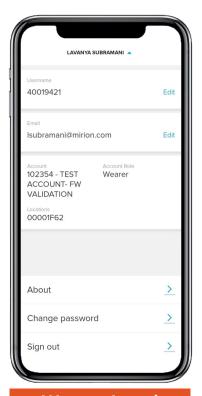
If you only have wearer access level, clicking the triangle icon next to the wearer name will display profile details corresponding to the wearer/user log-in.

The User Profile screen provides user details, including:

- Username
- Fmail Address
- Account
- Account Role
- Locations (access to multiple locations is based on access level)



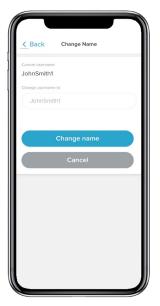
RSO User Level
Account

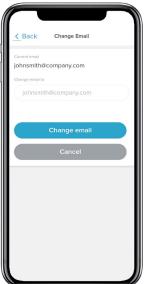


Wearer Level Account

### **Editable Details on User Profile:**

- Change Username
- Change Email Address
- Change Password
  - Password must contain:
    - Minimum of 8 characters
    - One uppercase letter (A-Z)
    - One lowercase letter (a-z)
    - One number (0-9)
    - One special character (@ + /! % & \* \_ # ^:;., < > ? = ~ -)







Change Username

Change Email
Address

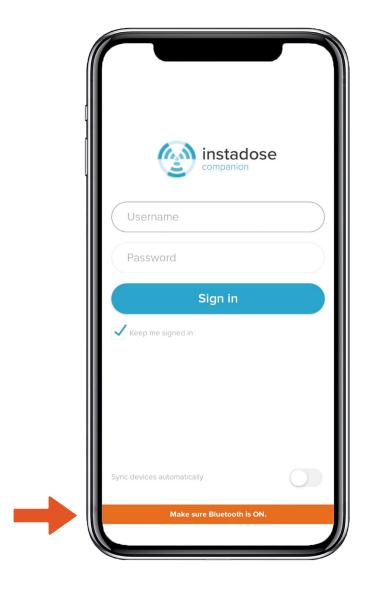
Change Password

# Warning Messages



# Warning Message: Bluetooth is OFF

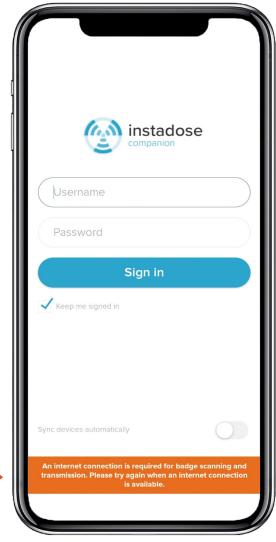
When Bluetooth is OFF, an orange message text will appear at the bottom of the screen.



# Warning Message:

### **Internet is OFF**

When there is NO Internet connection, an orange message text will appear at the bottom of the screen.





# Warning Message: Internet & Bluetooth OFF

When both the Internet Connection and Bluetooth are OFF, an orange message text will appear at the bottom of the screen.

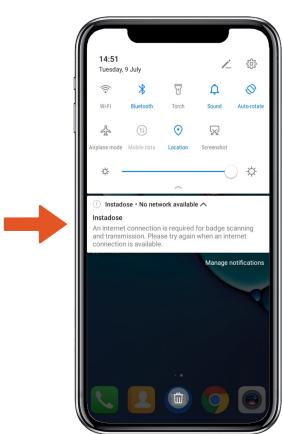




# Info Message:

# Bluetooth turned ON with NO internet connection.

When Bluetooth is turned ON, but there is no internet connection, the *Instadose Companion* Mobile App will display the message as a notification on the device's home screen to notify user that badge scanning is not possible without an internet connection.



## Info Message: Instadose is running in the background

When the *Instadose Companion* Mobile App is running in the background, a message will appear as a notification on the device's home screen, to notify the user that badge scanning/read transmission was successfully performed.





### Want to learn more?

Visit instadose.com

104 Union Valley Road, Oak Ridge, TN 37830 +1 800 251-3331

