



RespiVera Mobile Application User Manual

Doc. No.: SW-208(01) - RespiVera User Manual

About This Manual

This manual provides the information necessary to operate the RespiVera mobile application in a safe and efficient manner. The RespiVera application user must read and understand this manual before operating the RespiVera application. If any part of this manual is unclear, contact RespirAI US Inc. or its authorized representative for clarification.



User Manual

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1. Introduction

1.1. Overview

The device is a mobile software application intended for use by individuals who wish to track, monitor, and manage their respiratory health and overall physical wellness. The application operates on iPhone and provides functionality to support disease self-management through the recording, organization, visualization, and review of health-related, lifestyle, and contextual environmental information.

The application includes features for:

- Symptom tracking: facilitating the storage of user-inputted daily well-being data.
- Trigger Tracking: Recording potential symptom triggers using predefined selections and free-text input
- Medication tracking: using predefined medication lists and optional free-text entries
- Tracking of healthcare-related events such as doctor appointments and immunizations

- Environmental snapshot: Display of environmental information, including air quality index (AQI), temperature, and humidity based on user-provided location information
- Sensor Integration: Integration and display of physiological and activity data from compatible wearable sensors (e.g. heart rate, respiratory rate, and step count).
- Manual Entry: Optional manual logging of physiological fitness parameters, such as oxygen saturation and blood pressure
- Educational Content: Access to educational resources to improve health literacy and respiratory wellness.
- The device also provides options to generate printable summaries of selected user data (e.g., symptom trends, medication lists) and includes user engagement features such as reminders, notifications, and feedback submission.

The application does not perform automated diagnosis, disease prediction, or treatment recommendations. All information presented is intended to support general user awareness and health engagement only.

1.2. Health and Wellness Background

Maintaining respiratory health and physical fitness is a key component of general long-term wellness. For individuals looking to optimize their stamina, track environmental sensitivities, or monitor general body trends, a multi-faceted tracking routine can be highly beneficial. Key aspects of respiratory wellness tracking include:

- Adherence to Pharmacotherapy: Consistent use of maintenance and rescue medications.
- Symptom Monitoring: Tracking daily variations to identify trends or potential decline.
- Environmental Awareness: Monitoring external triggers such as air quality (AQI), allergens, temperature, and humidity.
- Self-Management Engagement: Utilizing digital applications to improve health literacy, compile personal metrics, and facilitate data-driven communication with health consultants or fitness professionals.

1.3. Intended Purpose

The RespiVera application is intended to receive, store, and display general physiological metrics and user entered fitness information. The application is designed to support individuals in the self-management of their respiratory and overall health by enabling the collection, organization, visualization, and review of lifestyle, fitness, physiological, and environmental information. The device does not control external hardware devices and is not intended for diagnosis, treatment, monitoring of acute conditions, or clinical decision-making.

1.4. Contraindications

The application is **not intended** for:

- Diagnosis of any medical condition
- Real-time monitoring of acute or life-threatening conditions
- Clinical decision-making, including medication dosing or treatment adjustments
- Emergency use

Physiological data obtained from integrated sensors and manually entered values are presented for informational purposes only and should not be used as the sole basis for clinical decisions. Environmental and weather-related information is provided for general awareness and does not constitute medical guidance.

The application should not be used by users as a substitute for professional medical advice, diagnosis, or treatment.

1.5. Intended Population

The intended population consists of individuals who want to track, monitor, and improve their respiratory health and overall wellness.

The application is not intended for pediatric use.

1.6. Intended Users

Any individual who wants to track their respiratory or overall health and can operate a smartphone application.

2. Warnings

⚠ To ensure proper and dependable usage of the RespiVera application, read all the instructions provided in this user manual before using the RespiVera application.

⚠ The system **does not analyze or interpret data for clinical diagnosis**.

⚠ **Do NOT rely on this application for medical decisions**

- Always consult a qualified healthcare provider for interpretation of health data

⚠ **Not an Emergency System**

- In case of emergency, call local emergency services immediately

⚠ **Data Accuracy Depends on External Devices**

- Incorrect placement or malfunction of wearable devices may lead to inaccurate data

⚠ Alerts Are Informational Only

- Notifications (e.g., “out of range”) are based on user-defined or accepted ranges and are not clinical alarms

⚠ Interpretation of Information

- Data is presented for **informational purposes only**
- Trends may help users identify changes in wellbeing
- Any concerns should be discussed with a healthcare provider

⚠ Not for Real-Time Monitoring

- The application and connected devices are not intended for the continuous or real-time monitoring of acute or life-threatening medical conditions.

⚠ Medication Verification

- Always verify the medication name, dosage, and frequency against the physical prescription provided by your healthcare provider.
- The schedule displayed in the application is for reference purposes only and should not override the direct instructions of your physician.
- Any concerns regarding your medication plan should be discussed with a qualified healthcare provider.

⚠ Manual Data Entry Accuracy

- Ensure that all manually entered physiological data (such as blood pressure or oxygen saturation values) are completely accurate.
- Double-check your entries before saving, as incorrect values may result in misleading historical trends.
- Users must ensure that personal health information entered into the application is accurate to avoid misleading outputs.

3. Precautions

- RespiVera is intended to support general health awareness and respiratory condition management and should not be used as a substitute for professional medical advice, diagnosis, or treatment.
- Users should always consult a qualified healthcare provider regarding any medical concerns or before making any changes to their treatment plan.
- The application is not intended for emergency use. In case of a medical emergency, users should contact local emergency services immediately.

- Data provided by the application (including wearable or manually entered data) may be affected by device accuracy, user input, or environmental factors and should be interpreted with caution.
- The application is intended for use by adults unless otherwise specified and should not be used without appropriate medical supervision for pediatric populations.
- Users should verify that their personal baseline oxygen saturation (SpO2) ranges entered manually within the application are set correctly.
- Environmental and physiological insights are provided for informational purposes only and should not be used as the sole basis for clinical decisions.
- Environmental data (e.g., air quality) is approximate and may vary depending on the user's location.
- The application may require an internet connection and compatible devices for full functionality; interruptions may affect data availability or performance.
- Users should ensure that personal health information entered into the application is accurate to avoid misleading outputs.

For users choosing to use supported sensors/devices:

- Ensure proper pairing and operation of connected wearable devices.
- Ensure external sensors are regularly charged and properly maintained.

4. System Requirements

Mobile Device Requirements

- Compatible with iOS 26 and higher
- Internet connectivity required

Optional Devices

- Compatible wearable sensors (e.g., ECG patch, smartwatch) support Bluetooth connectivity for data transmission.

5. Installation and Setup

5.1. Installation

- Download RespiVera application from the App Store.
- Launch the application.

5.2. Account Setup

- Register a new account or log in.
- Enter required personal information
(Including Name, Date of Birth, Sex, Existing Lung conditions).
- Accept terms and privacy policy.

5.3. Login to the Application

The login screen appears only when a user has previously logged out of the application.

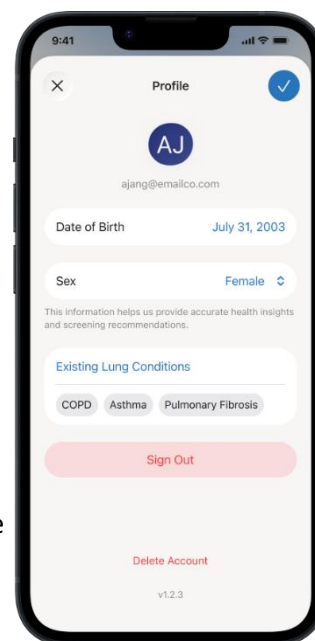
Login Steps:

- Open the RespiVera application on your mobile device.
- If you are logged out, you will be directed to the Login screen.
- Enter your registered email address in the Email field.
- Enter your password in the Password field.
- Press the Login button to access your account.

If you forgot your password, follow these steps:

- On the Log In screen, tap “Forgot Password”.
- Enter the email address associated with your account.
- You will receive an email with a password reset link.
- Open the email and tap the link to create a new password.
- Return to the app and log in with your new password.

If you do not receive the email within a few minutes, check your spam or junk folder. If it still does not appear, make sure you entered the correct email address or contact support for assistance.



6. User Interface Overview

The application features a bottom navigation bar for quick access to core features:

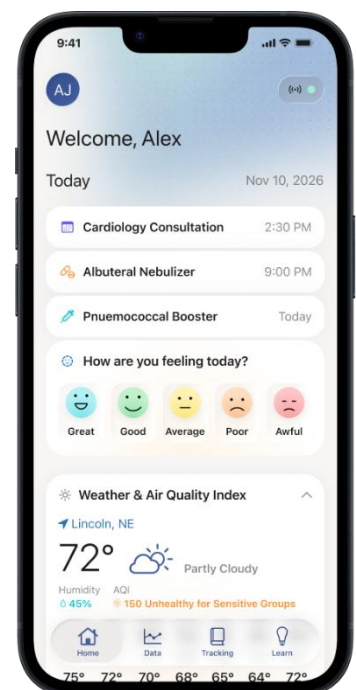
- Home: Your daily headquarters. Check your schedule, track local air quality, and log how you feel.

- **Data:** Your health history. View live charts of your vitals, monitor long-term trends, and export reports for your doctor.
- **Tracking:** Your management tool. Keep an organized log of medications, immunizations, and upcoming medical appointments.
- **Learn:** Your resource library. Access articles and educational materials.

6.1. Home Screen

What it is: The Home Screen acts as your daily dashboard, providing a quick snapshot of what you need to know for the day.

General Explanation: This is your daily headquarters. It brings together your upcoming tasks, such as doctor appointments and medication routines, so you do not have to search for them. Additionally, it provides local weather and Air Quality Index (AQI) information, allowing you to prepare for how the environment might impact your respiratory system before you step outside. It also features fast-access buttons to let you quickly record how you are feeling. Finally, the Home Screen provides a concise synopsis and graphs of your recent health metrics, giving you an easy-to-read, comprehensive overview of your vital signs and activity data at a glance.



6.2. Data Tab

What it is: The Data tab acts as your personal health history log.

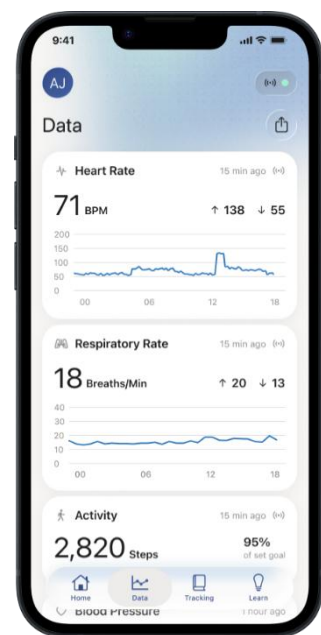
General Explanation: This section stores and visualizes your health metrics over time. Reviewing these long-term trends helps you understand the bigger picture of your health status and recognize how your condition changes.

6.2.1. Viewing Health Data

General Explanation: Rather than just showing numbers, this section allows you to log and monitor how your body responds day-to-day and to share health summaries with your care team.

Navigate to the **Data tab** to see a comprehensive overview of your vitals

1. Users can view:
 - Symptoms
 - Heart rate (BPM)
 - Respiratory rate (breaths/min)
 - Blood pressure
 - Oxygen saturation (SpO2)
 - **Activity:** Daily step counts and progress toward goals.



After tapping the parameter you wish to view:

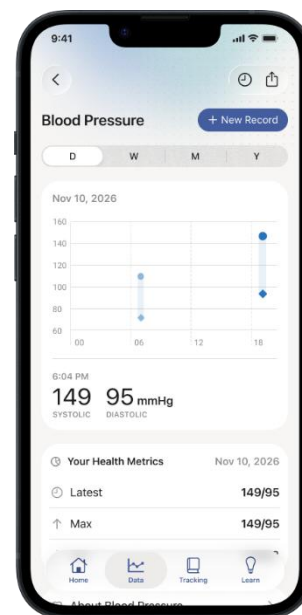
2. Data display Options
 - **Trends:** Select D (Day), W (Week), M (Month), or Y (Year) to see how your metrics change over time. You can tap on any data point to see the values for that time period.

- **Latest vs. Max:** View your most recent reading alongside your highest recorded value for that period.

6.2.2. Recording Manual Metrics

- **General Explanation:** Not all health measurements can be gathered automatically by wearables. Manual data entry allows you to input vitals like blood pressure or oxygen saturation yourself, ensuring your health record remains complete and accurate.
- Navigate to **Data → Blood Pressure** and tap on “+New Record” on the top right corner
- To save the entry tap on the check symbol

Important: The application includes a safety validation feature. It will not permit saving values that fall outside of humanly possible ranges to prevent accidental data entry errors.

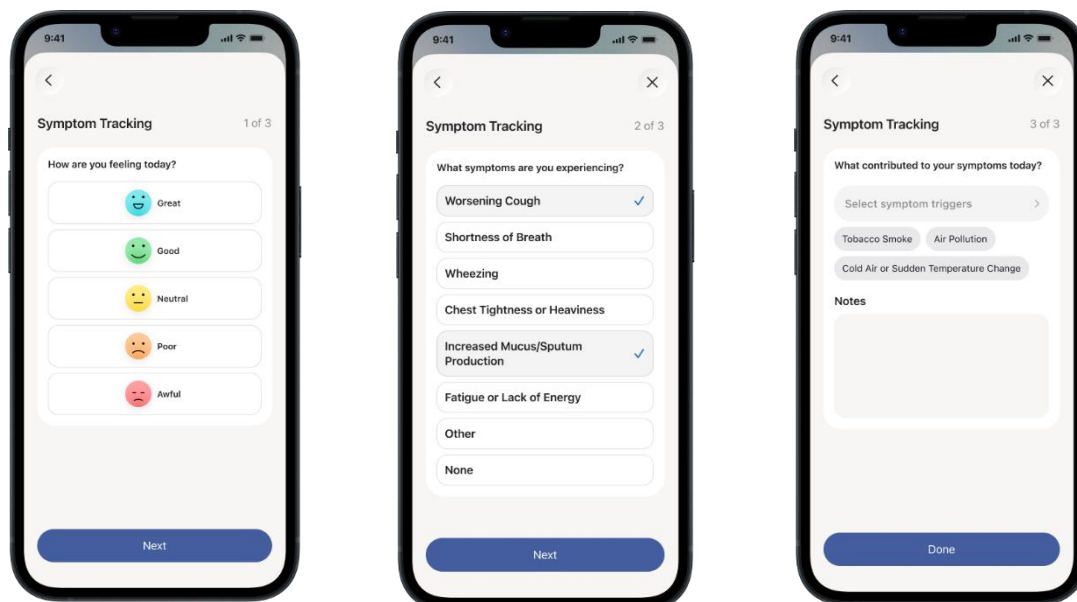


6.3. Symptom Tracking

General Explanation: Symptom tracking serves as a personal journal where you can record how you feel and note any outside factors or triggers that may have affected your day. This information can be incredibly helpful for ongoing clinical follow-ups and identifying patterns in your respiratory health.

1. Navigate to Symptoms through the Home by Selecting the **corresponding facial expression**
2. Alternatively, from the **Data** tab by clicking on Symptoms and then “+New Record” button
3. Enter:
 1. Overall condition rating (scale of facial expressions)
 2. Type of symptoms experienced
 3. Potential triggers contributing to symptoms and any notes
 Save the entry by selecting “Done”





6.3.1. Exporting Data

What it is: You can export your health metrics into a shareable report (PDF) to provide to your healthcare provider or to keep for your personal records.

General Explanation: Having these reports on hand facilitates more informed, data-driven communication with your healthcare professionals during clinical visits.

Exporting a Specific View

If you are viewing a specific parameter (like Blood Pressure) on the **Day (D)** view, the export will only contain data for that 24-hour period.

- Navigate to the specific metric page (e.g., **Data → Blood Pressure**).
- Tap the **Share icon** (top right) to export the current view (Day, Week, Month, or Year).

Exporting Detailed Historical Data (Recommended)

To export a more comprehensive list of your readings over time, it is best to use the **History** feature:

- **Select a Parameter:** From the **Data** tab, tap on a metric (e.g., Heart Rate or Oxygen Saturation).
- **Open History:** Tap the **History icon** (the clock icon) in the top right corner.
- **Filter your log (Optional):** Tap on the **Filter Menu**. Filter options change depending on which data parameter you are exporting. Symptoms have a greater variety of filters (such as dates, feelings, symptoms, and triggers), while the other parameters provide filter options based on dates and minimum/maximum values.
- **Export:** Tap the **Share icon** from within this History screen. This ensures you are exporting the detailed list of recorded values rather than just a high-level summary chart.

6.4. Tracking Tab

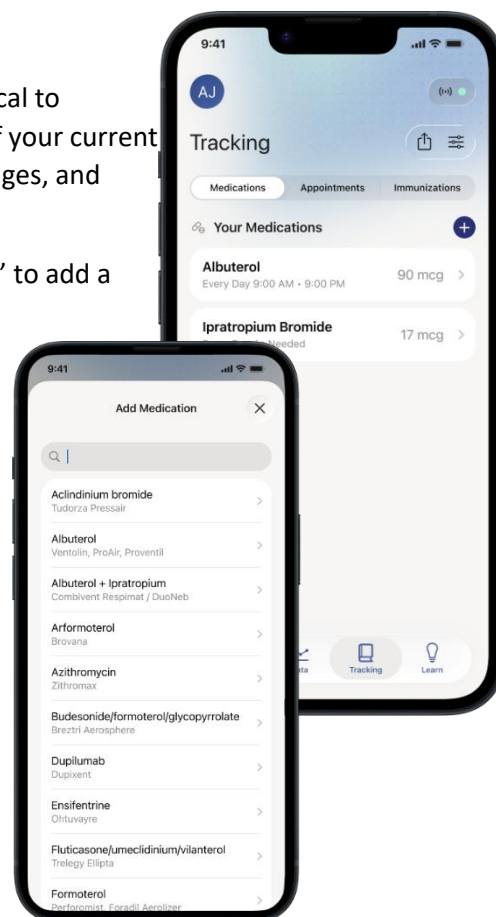
What it is: Your central organizer for logging medications, scheduling immunizations, and tracking healthcare appointments.

General Explanation: Managing a chronic respiratory condition requires keeping track of various health and medical obligations. The Tracking tab serves as your personal management center, bringing all your treatment and scheduling information together in one convenient place. By consolidating your prescription lists, doctor visits, and vaccination records, this tab helps you maintain treatment adherence, stay organized so you never miss an appointment, and keep your preventative health history up to date.

6.4.1. Medication Management

General Explanation: Adhering to your pharmacotherapy is critical to effective disease management. This section keeps a digital list of your current prescriptions so you can easily reference your medications, dosages, and schedules.

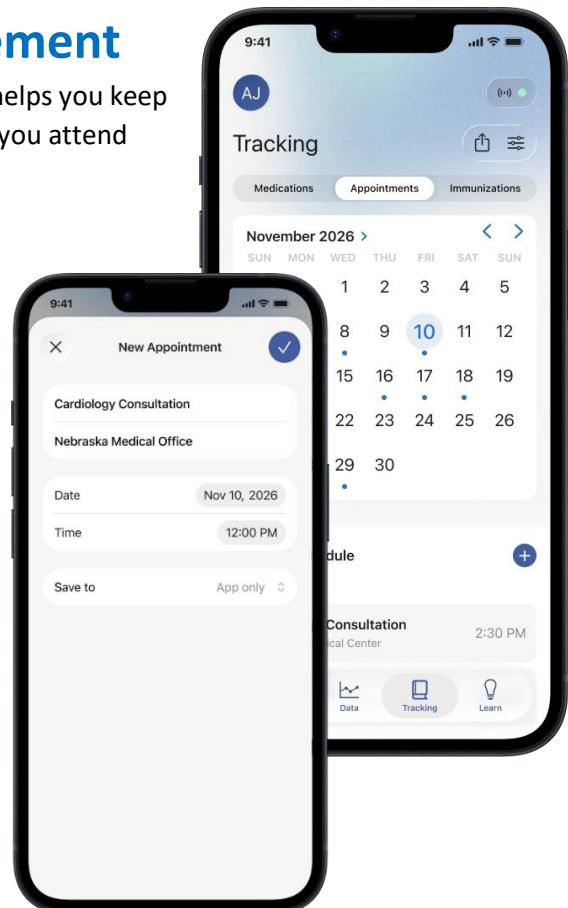
1. Navigate to **Tracking** → **Medications** and click on the “+” to add a medication
2. Add medication details:
 - Add Name using search bar or add a custom medication
 - Type of medication
 - Schedule
3. Save by selecting **Done**



6.4.2. Appointment Management

General Explanation: This calendar and scheduling tool helps you keep track of upcoming checkups and consultations, ensuring you attend appointments on time and stay organized.

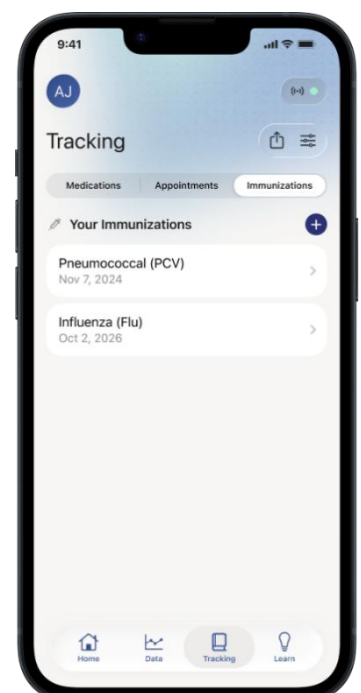
1. Navigate to **Tracking** → **Appointments**
2. View calendar
3. Add or edit appointments
4. Click check symbol on top left to save



6.4.3. Immunization Management

General Explanation: Maintaining up-to-date immunization records is an important part of preventive care. This section lets you store and track your vaccination schedule to ensure your respiratory wellness is protected.

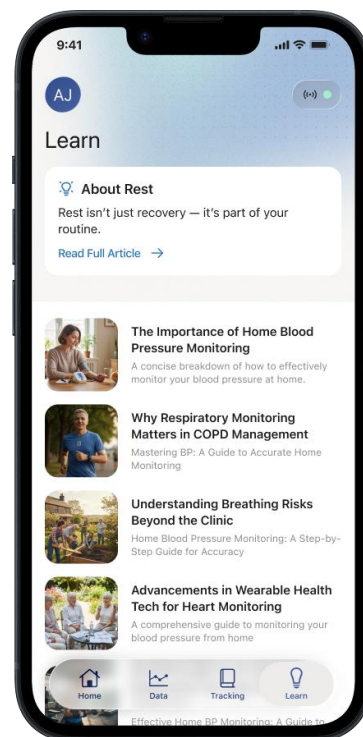
1. Navigate to **Tracking** → **Immunization**
2. Add type of immunization with "+" symbol
3. Set a dose frequency (single does, every year etc) and add a date
4. Add details if needed and press 'Done'.



6.5. Educational

General Explanation: Knowledge is an essential component of self-management. This resource library provides articles and educational content that help improve your health literacy, enabling you to feel more confident and informed about your respiratory condition.

1. Navigate to **Learn**
2. Browse the library with relevant educational materials



6.6. Integrated Devices/Sensors

To help you get a complete picture of your respiratory health, the RespiVera app supports integration with compatible wearable sensors. In the current version, you can connect the Vivalink VV350 ECG monitor patch to automatically sync physiological data such as heart rate and respiratory rate.

Please note: For the device to display sensor data within RespiVera, you must also have the Multi Vital Monitor app (MVM) installed and your device paired.

6.6.1. Device Pairing

General Explanation: Linking your compatible wearable sensor means the app can automatically gather your physiological data, such as your heart rate and respiratory rate. This removes the need for manual entry and ensures you always have accurate, up-to-date health metrics on hand.

To sync physiological data like heart rate and respiratory rate, you must link your compatible wearable sensor (e.g., Vivalink VV350) to the application

Pre-Connection Requirements: Before starting the pairing process in RespiVera, ensure you have completed the following:

- **Install App:** The **Multi Vital Monitor** app must be installed on your mobile device.
- **Initial Pairing:** Your sensor must already be paired within the Multi Vital Monitor app.

- **Bluetooth:** Ensure Bluetooth is enabled on your smartphone.

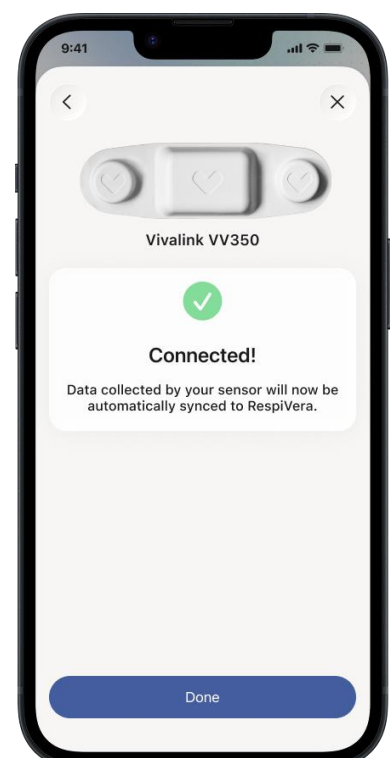
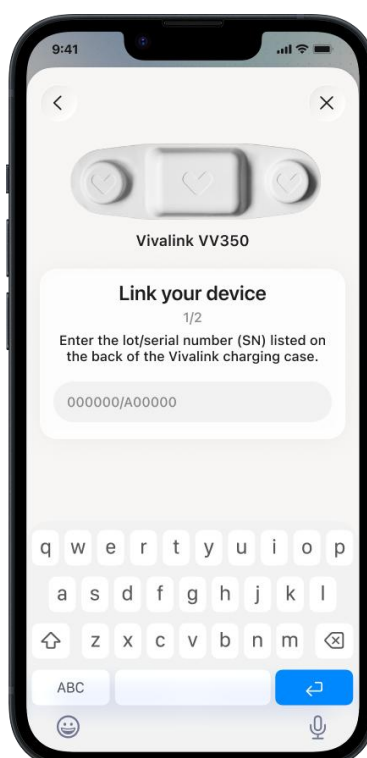
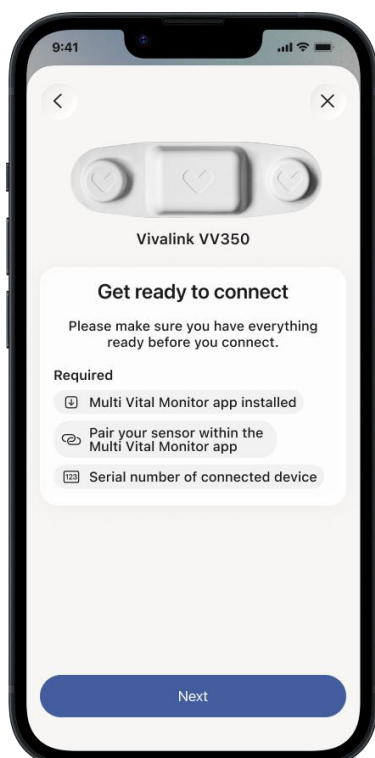
Step-by-Step Linking Process:

1. Navigate to **Devices & Connections** (Top right corner in the Home Screen) and select **+ Connect a Device**.
2. Review the "Get ready to connect" checklist and tap **Next**.
3. **Enter Serial Number (SN):** Provide the lot/serial number found on the back of the Vivalink charging case.
4. **Enter Subject ID:** Enter the specific Subject ID used in your Multi Vital Monitor account.

If you are unsure what your Subject ID is (relevant to MVM version 3.4.1):

- Navigate in the MVM app to the menu on the top left.
 - Select **Settings** → **Profile**.
 - Your Subject ID is listed here.
5. **Confirmation:** Once successfully linked, a "Connected!" message will appear. Tap **Done** to finish.

Note: Once connected, data collected by your sensor will automatically sync to RespiVera for your review in the **Data** tab.



6.6.2. Device & Connectivity Status

General Explanation: Staying connected is an important part of consistent health monitoring. The status indicators on your screen keep you informed about your device's health so you can quickly identify and fix connection issues, ensuring no gaps in your data.

The RespiVera application continuously monitors the connection with your VivaLink wearable sensor through the Multi Vital Monitor (MVM) app. A status icon is visible in the top right corner of the **Home** and **Data** tabs to keep you informed of your device's health.

Understanding the Status Icons:

The application uses specific symbols to alert you to connection issues:

- **Red "No Connection" Icon:** Indicates the application has lost contact with the wearable sensor entirely.
- **Yellow "No Data" Icon:** Indicates the device is connected, but no health data is currently being received (often due to improper sensor placement or unsuccessful data upload through the MVM app).



Managing Connections:

To view detailed status information, tap the Status Icon in the top right corner of the Home Screen and navigate to Devices & Connections:

- **Connection Status:** Confirms if the Vivalink VV350 or VV330 is actively paired.
- **Last Reading:** Displays the exact date and time the last successful data point was recorded.
- **Battery Level:** Shows the current battery life of the connected sensor.
- **Reconnecting:** If a device is disconnected, tap the + Connect a Device button to re-initiate pairing.

6.6.3. Device Data

When using a paired device, you can view different parameters in the Data tab, including heart rate, respiratory rate, and activity (steps). These metrics have the same display attributes as the other parameters detailed in section 6.2.

7. Maintenance

To ensure optimal performance of the RespiVera mobile application, users are advised to:

- Keep the application updated to the latest version available in the App Store to ensure access to new features, improvements, and security updates.
- Ensure the mobile device operating system is up to date (iOS updates) to maintain compatibility and proper functionality.
- Maintain a stable internet connection for data synchronization, wearable device integration, and full app functionality.
- Periodically restart the application if any performance issues occur.
- Ensure Bluetooth is enabled when using compatible wearable devices for data transmission.
- Regularly check that connected wearable devices are charged, functioning properly, and paired correctly with the application.
- Re-enter or verify personal data if prompted after updates to ensure accuracy of health tracking information.

8. Troubleshooting

If you encounter issues with the application or your connected device, refer to the table below.
If the problem persists, contact support at info@respivera.com.

8.1. Connectivity and Syncing Issues

Issue	Potential Causes	Action Required
Red Icon (No connection) in Top right corner of Home Page and throughout the Data areas on the Home page	Bluetooth is disabled or device is not properly paired	1. Ensure Bluetooth is enabled in iOS settings 2. Verify the wearable is correctly paired with the Multi Vital Monitor app 3. Restart the RespiVera App Note: The change will not be apparent immediately in the data but rather in the connected app icon
Yellow Icon (No Data) in Top right corner of Home Page and throughout the Data areas on the Home page	Sensor is connected but not collecting data.	1. Check if there is a "upload in progress" bar in the MVM app. If there is wait till it gets to 100% 2. Check if the sensor battery is low or dead 4. Restart the RespiVera App Note: The change will not be apparent immediately in the data but rather in the connected app icon
Location-based environmental data not showing	Location services are disabled	Enable location services in device settings and allow app permission

8.2. Data & System Issues

Issue	Potential Causes	Action Required
Unable to save Blood Pressure or Oxygen Saturation manual entry	Entry is outside humanly possible ranges or has a typo.	Re-check the numbers entered
App Crashes / Unresponsive	Outdated software or poor connection.	1. Update the app and your iOS to the latest versions. 2. Check your internet connection.
Symptoms or entries not saving	Temporary app error or lost connection	Retry saving the entry; if the issue persists, restart the app
Unable to log in	Incorrect credentials or account issue	Verify login details or reset password if needed



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