

MEDIGO

User Guide

AI-Powered Health Screening Robot



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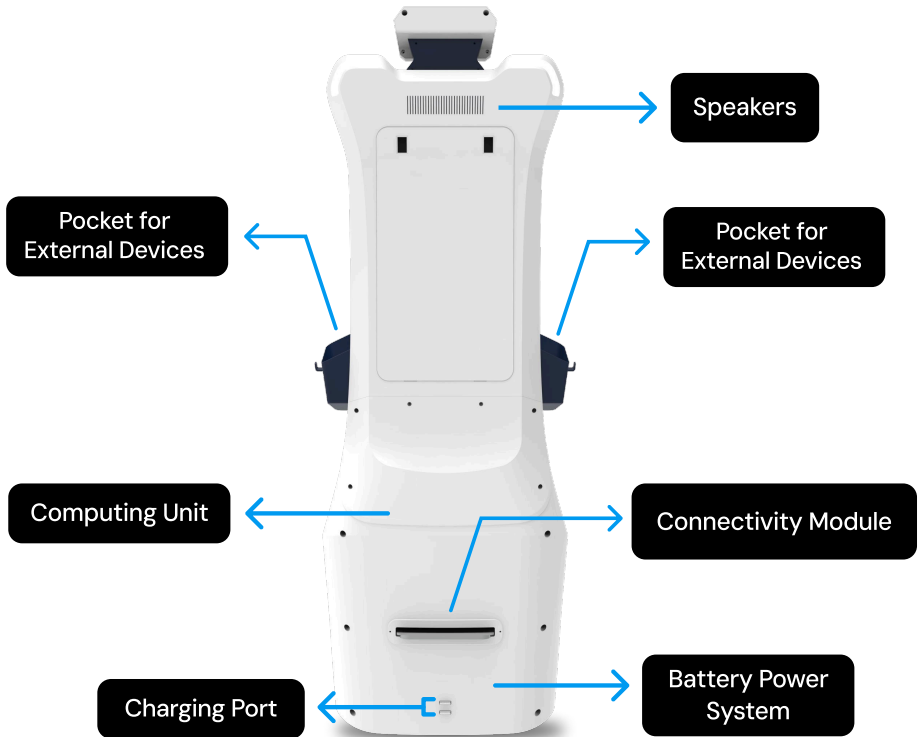
**PRODUCT
INTRODUCTION**

1.1 Overview of Medigo

Medigo is an AI-enabled, on-demand health screening system designed to perform multi-parameter diagnostics through a single, guided workflow. It integrates multiple diagnostic devices and assessments into one platform, enabling fast and structured health screening in high-footfall environments.

The system simplifies the screening process by reducing manual effort, standardising test execution, and generating consolidated digital reports. It is built for deployments that require consistency, scalability, and continuous health monitoring.





1.2 Applications & Use Environments

Medigo is designed for environments where health screening needs to be fast, repeatable, and standardised.



Hospitals & Healthcare Networks: Pre-check screening, vitals capture, and preventive health desks



Government & Public Health Programs: Large-scale population screening and early detection initiatives



Diagnostic Chains: Standardised screening across branches and outreach setups



Corporate Wellness: Employee health monitoring and periodic screening programs



Institutional Environments: Transport hubs, defence, and workforce fitness screening

1.3 System Design and Highlights

Medigo is built as a unified health screening system that connects multiple devices, guides the operator through each step, and consolidates results into a single structured output.

Core Features:

- **Unified Workflow:** Guided screening from registration to report generation.
- **Multi-Parameter Testing:** Covers vitals, blood tests, diagnostics, and assessments
- **Device Integration:** Connects multiple diagnostic devices into one interface.
- **AI-Based Screening:** Supports AI-assisted eye and oral health checks.
- **Structured Reports:** Generates consolidated digital reports for instant sharing.
- **Data Continuity:** Stores patient records for tracking and follow-ups.

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**SAFETY
GUIDELINES**

2.1 General Precautions

To ensure safe and reliable operation, the following guidelines must be followed while using Medigo:

- Use the system only in indoor environments with stable conditions.
- Ensure all connected devices are properly placed and secured before use
- Do not operate the system in wet, dusty, or unstable environments
- Use only approved consumables and accessories for diagnostic tests.
- Avoid applying excessive force on the touchscreen or connected devices.
- Do not attempt to disassemble or modify any part of the system.

Caution: Improper usage may affect test accuracy and system performance.

2.2 Environment Requirements

For accurate screening and smooth operation, ensure the following conditions:

- Place Medigo on a **flat, stable surface**.
- Maintain a **clean and well-lit environment** for screenings.
- Ensure sufficient space around the system for **user movement and device handling**.
- Avoid areas with **strong electromagnetic interference** or unstable power supply
- Maintain recommended temperature and humidity conditions for medical devices

Tip: Environmental factors can directly impact device readings and AI-based screenings

2.3 Operational Safety

During screening, follow these safety practices:

- Ensure the patient is **properly positioned** before starting any test
- Instruct the patient to **remain still** during measurements
- Follow correct procedures while handling **blood samples and test strips**.
- Dispose of used consumables such as lancets and strips in **approved bio-waste containers**
- Do not proceed with tests if any device shows **connection or reading errors**.

Caution: Incorrect handling may result in inaccurate readings or test failure.

2.4 System Handling & Maintenance Safety

To maintain system reliability and hygiene:

- Clean external surfaces and devices **regularly using appropriate disinfectants**.
- Keep sensors, cameras, and device interfaces **free from dust and obstruction**.
- Ensure connected devices are **charged and functioning** before operation
- Do not expose the system to **direct sunlight, heat sources, or moisture**
- Follow daily maintenance checks before starting operations

2.5 Emergency Handling

In case of unexpected system behaviour or failure:

- Stop the ongoing screening process immediately.
- Restart the system if required
- Disconnect and reconnect any malfunctioning device
- If the issue persists, contact **technical support**

Caution: Do not continue screening if the system is not functioning correctly.

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SPECIFICATIONS

3.1 Technical Specifications

Specifications	Details
Operating System	Android-based system
Display	27-inch touch display (1080 × 1920)
Top Display	~7.9-inch interface display
Connectivity	Dual-band Wi-Fi (2.4 GHz / 5 GHz)
Battery	Lithium Iron Phosphate with automatic charging
Form Factor	Stable, floor-mounted unit (~65 kg)
System Memory	8GB+ RAM configuration
Data Output	Digital report generation (PDF)
External Integration	Supports multiple diagnostic devices

3.2 Components Overview

Medigo is designed as a modular system that integrates multiple hardware components and diagnostic devices into a single interface.

Core System Components:

- Touchscreen display for operator interaction
- Top display for system feedback and status
- Device mounting section for diagnostic integrations
- Internal processing unit for workflow execution and data handling
- Battery and power system for continuous operation

Specifications

External Connected Devices:



Blood pressure monitor



Spirometer (PFT)



Oximeter (SpO₂)



Digital stethoscope



Thermometer



Audiometry headphones



Weighing scale



Blood test devices (Glucose, HbA_{1c}, Lipid, etc.)



ECG device (6-lead)



Lungs Test device

3.3 Interface & Access Points

The Medigo system includes the following key interaction points:

- **Touch Display:** Primary interface for workflow navigation, test execution, and report access
- **Device Ports / Mounts:** Connection points for diagnostic devices.
- **Power Interface:** Charging and power control system.
- **Connectivity Interface:** Wi-Fi-based system for data sync and report sharing.

Tip: All operations are managed through the main touchscreen interface, with device inputs captured automatically.

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GETTING STARTED

Getting Started

4.1 Initial Setup & System Check

Before operating Medigo, ensure the system and all connected devices are ready for use.

Initial Checks:

- Verify that the system is placed on a stable, flat surface
- Ensure all diagnostic devices are properly connected and powered
- Check that the system has sufficient battery or is connected to power
- Confirm availability of required consumables (test strips, lancets, etc.)
- Ensure internet connectivity if report sharing is required

Tip: Perform these checks at the start of each operational cycle

4.2 Powering On / Off

To Power On:

- 01) Locate the main power switch on the system
- 02) Switch ON to start the device
- 03) Wait for the system to boot and load the main interface



To Power Off:

- 01) Use the on-screen shutdown option
- 02) Confirm shutdown when prompted
- 03) Turn OFF the main power switch

Caution: Do not power off the system during an active screening session

4.3 System Login

Once the system is powered on:

- Enter login credentials on the main screen
- Select the appropriate user role (if applicable)
- Access the main dashboard

Tip: Login ensures proper tracking of screenings and system usage

4.4 Device Connectivity Check

Before starting any screening:

- Ensure all required devices show “Connected” on the interface
- Reconnect any device that is not detected
- Perform a quick test if needed to confirm device readiness

Caution: Do not begin screening if any required device is disconnected

4.5 Starting a Screening Session

To begin using Medigo:

- Register or select a patient
- Choose required tests or screening package
- Follow on-screen instructions for each test
- Complete all selected tests
- Generate and review the report

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**SYSTEM SETUP &
DASHBOARD**

5.1 System Dashboard Overview

The Medigo dashboard is the central interface used to manage screenings, access system settings, and monitor device status.

After login, the system loads the main dashboard, which provides access to:

- Patient registration
- Test selection and screening workflow
- System settings and configuration
- Device connection status
- Patient history and reports

Tip: All core operations are initiated and controlled through this interface.

5.2 Data Synchronization

After a successful login, the system automatically syncs with the central server to ensure all configurations are up to date.

Synced Data Includes:

- Health content (images, videos)
- Medical test configurations
- Device settings
- Supported languages
- System parameters

Tip: Ensure stable internet connectivity for successful synchronization.

Caution: If sync fails, use manual sync from Settings

5.3 Patient Registration

Before starting a screening session, the patient must be registered in the system.

Required Details:

- Full Name
- Mobile Number (unique identifier)
- Date of Birth
- Gender
- Email (optional)

Steps:

- 01)** Enter patient details on the registration screen
- 02)** Verify the mobile number for accuracy
- 03)** Tap **Register** to proceed

Tip: Existing patients can be retrieved using their mobile number

5.4 Test Selection Dashboard

Once registration is complete, the system displays the test selection dashboard.

This allows the operator to:

- Select a **full screening package**
- Choose **individual tests** based on requirement
- View test categories and parameters

Key Categories Include:

- General health and body metrics
- Cardiac and vitals
- Blood tests and diagnostics

System Setup & Dashboard

- Respiratory and lung function
- Vision, hearing, and oral health
- AI-based screenings and assessments

Tip: The system supports multiple tests within a single session

5.5 Settings & Configuration

The Settings section allows operators to configure and manage the system.

Available Options:

- Change language
- View patient history
- Check for system updates
- Configure country settings
- Manage connected devices
- Sync data manually
- Enable/disable content and intro videos

Tip: Settings should only be accessed by authorised users

5.6 Device Management

Medigo requires connected diagnostic devices for test execution.

To ensure proper operation:

- Verify all devices are connected before screening
- Check device status on the dashboard
- Reconnect devices if required
- Ensure correct configuration for each device

Caution: Incorrect device setup may result in failed or inaccurate readings

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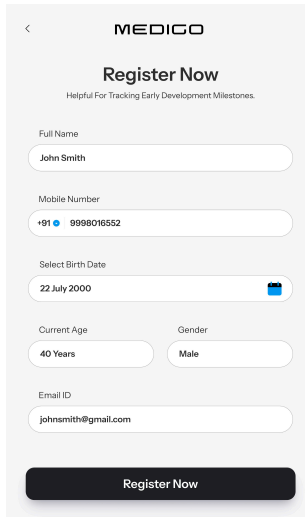
**SCREENING
WORKFLOW & TEST
EXECUTION**

6.1 Screening Workflow Overview

Medigo follows a guided workflow that standardises the entire screening process from start to finish.

Typical Flow:

01) Patient registration



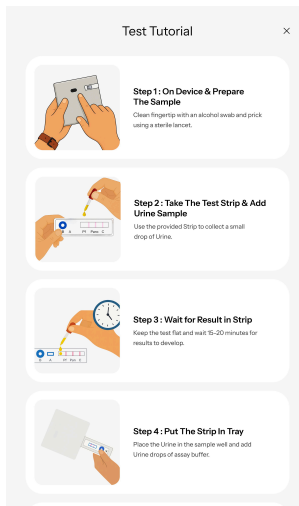
The screenshot shows the 'Register Now' form in the Medigo app. The form includes the following fields and options:

- Full Name: John Smith
- Mobile Number: +91 9998016552
- Select Birth Date: 22 July 2000
- Current Age: 40 Years
- Gender: Male
- Email ID: johnsmith@gmail.com

A 'Register Now' button is located at the bottom of the form.

02) Test selection

03) Guided test execution



04) Automatic result capture

05) Report generation

Tip: Each step is prompted on-screen to ensure consistency and ease of use

6.2 Before Starting Tests

Before initiating any test, ensure the system and patient are ready.

Checklist:

- 01) All required devices show Connected
- 02) Patient details are correctly registered
- 03) Required consumables are available
- 04) Patient is properly positioned

Caution: Do not proceed if any device is disconnected or not functioning

6.3 Guided Test Execution

Once tests are selected, Medigo guides the operator through each test step-by-step.

General Instructions:

- Follow on-screen prompts for each test
- Ensure correct device placement and usage
- Ask the patient to remain still during measurements
- Wait for the system to capture and display results

Tip: Results are automatically recorded

6.4 Test Categories & Procedures



A. Basic Measurements

Includes height, weight, BMI, and body composition.

What to do:

- Position the patient correctly in front of the system
- Use the weighing scale as instructed
- Ensure proper posture during measurement
- Wait for results to appear on screen

B. Vitals & Cardiac Tests

Includes blood pressure, SpO₂, temperature, and ECG.

What to do:

- Use the correct device for each test
- Ensure proper placement (arm cuff, finger probe, electrodes)

Screening Workflow & Test Execution

- Instruct the patient to remain still
- Wait for readings to complete

Caution: Movement during measurement may affect accuracy

C. Blood-Based Tests

Includes glucose, HbA1c, haemoglobin, lipid profile, and renal tests.

What to do:

- Use sterile lancets and test strips
- Collect the required blood sample
- Apply the sample correctly to the device
- Wait for results to be processed

Caution: Follow hygiene and bio-waste disposal protocols strictly

D. Respiratory & Auscultation Tests

Includes spirometry and digital stethoscope.

What to do:

- Ensure device is properly connected
- Follow breathing or placement instructions
- Repeat tests if prompted by the system
- Allow the system to record and process results

E. Sensory Tests

Includes vision, colour blindness, and audiometry.

What to do:

- Position the patient at the required distance
- Ensure a quiet and well-lit environment
- Guide the patient through on-screen responses

F. AI-Based Screenings

Includes eye and oral health screening.

What to do:

- Capture required images using the designated device/app
- Upload images to the system
- Wait for AI analysis and result display

G. Assessments

Includes mental health and questionnaire-based evaluations.

What to do:

- Allow the patient to complete all questions
- Ensure responses are entered correctly
- Submit the assessment to generate results

6.5 Test Completion

After all selected tests are completed:

What to do:

- Verify that all results are captured
- Review results on the screen
- Proceed to report generation

Tip: The system automatically compiles results into a structured report

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**REPORT
GENERATION &
SHARING**

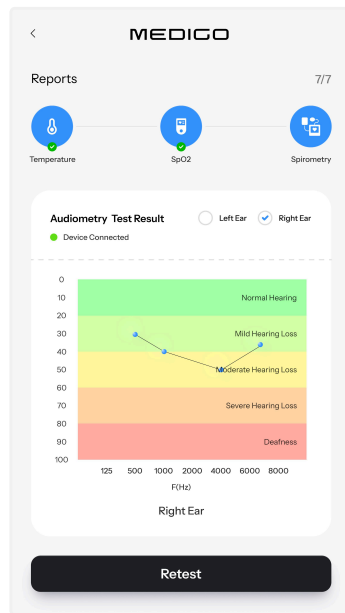
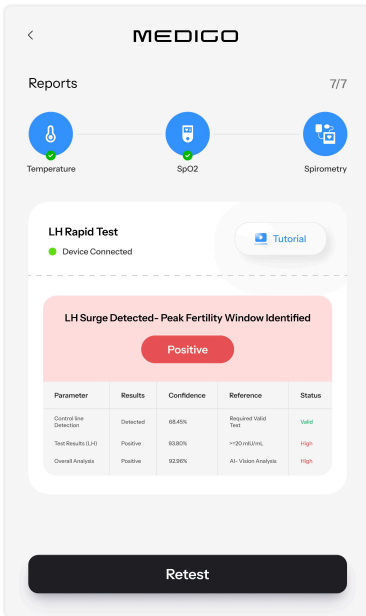
Report Generation & Sharing

7.1 Report Generation

Once all selected tests are completed, Medigo automatically compiles the results into a structured digital report.

The report includes:

- Patient details
- Summary of all test results
- Parameter-wise readings with reference indicators
- Date and time of screening



Tip: No manual action is required to generate the report

7.2 Viewing the Report

After test completion:

- The report is displayed on the screen

Report Generation & Sharing

- Operators can review all recorded results
- Any missing or incomplete tests can be identified before sharing

Tip: Ensure all required tests are completed before proceeding

7.3 Exporting the Report (PDF)

Medigo allows reports to be exported in PDF format.

Steps:

- 01)** Tap the **Export / Print** option on the report screen
- 02)** Generate the PDF file
- 03)** Print or save the report as required

7.4 Sharing the Report

Reports can be shared digitally with the patient.

Available Methods:

- **WhatsApp:** Sends a report link to the registered mobile number
- **Email:** Sends the report to the provided email address

Caution: Internet connectivity is required for digital sharing

7.5 Patient History Access

Medigo stores patient records for future reference.

To access history:

- Navigate to **Settings → History**
- Enter the patient's mobile number
- View previous reports and test records

Tip: This enables repeat screenings and follow-up tracking

8

MAINTENANCE & TROUBLESHOOTING

8.1 Daily Maintenance Checklist

To ensure accurate readings and smooth operation, perform the following checks at the start and end of each day:

- Ensure the system is **clean and free from dust**
- Wipe touchscreen, sensors, and device surfaces with a **soft, disinfected cloth**
- Check all connected devices are **functioning and properly connected**
- Ensure sufficient **battery level or power connection**
- Verify availability of required **consumables (test strips, lancets, etc.)**
- Confirm the system is connected to **Wi-Fi (if required)**

Tip: Regular maintenance helps prevent errors and ensures reliable results

8.2 Common Issues & Solutions

Below are commonly encountered issues and recommended actions

Issue: Device Not Connected

Cause: Device is powered off or out of range

Solution:

- Check power status of the device
- Reconnect via Settings → Device Management
- Restart the device if required

Issue: Test Result Not Displayed

Cause: Improper test execution or device error

Solution:

- Repeat the test following correct procedure
- Ensure device shows Connected before starting
- Check consumables are correctly used

Maintenance & Troubleshooting

Issue: Data Sync Failure

Cause: Network connectivity issue

Solution:

- Check Wi-Fi connection
- Use **Sync Data** option in Settings
- Restart the system and retry

Issue: Report Not Received by Patient

Cause: Incorrect contact details or no internet

Solution:

- Verify mobile number/email entered
- Ensure active internet connection
- Resend report via History

Issue: System Unresponsive

Cause: Temporary system lag or error

Solution:

- Restart the system
- Log in again and resume operation

8.3 System Handling & Care

To maintain long-term performance:

- Keep the system in a clean, dry environment
- Avoid exposure to heat, moisture, or direct sunlight
- Do not place heavy objects on the system or devices
- Handle all diagnostic devices with care
- Use only approved accessories and consumables

8.4 When to Seek Support

Contact technical support if:

- Devices repeatedly fail to connect
- Test results are inconsistent or not captured
- System errors persist after restart
- Hardware damage or malfunction is observed

Tip: Do not attempt internal repairs or modifications

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**DISCLAIMER &
SUPPORT
INFORMATION**

9.1 Disclaimer

Medigo is designed to assist in health screening and data collection through integrated diagnostic devices and assessments. The results generated by the system are indicative and should not be considered as a substitute for professional medical diagnosis or treatment.

Operators must ensure that all procedures are followed correctly to maintain accuracy and reliability of results. Kody Robots is not responsible for inaccuracies caused by improper usage, incorrect data entry, or misuse of devices.

The company reserves the right to make technical changes to the product and update the contents of this document at any time without prior notice.

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