

User Manual

In this User Manual, we're going to walk through how to set up the RapidScreen. Right out of the box this unit will already be capable of scanning users and taking their temperatures. Some changes may need to be made to the application based on your individual requirements.

Compatible with the following model: RapidScreen Plus V3 running the Rapidscreen app (and NOT the Face Recognition app)

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Quick Start Guide

If you are just getting started you should first read the Quick Start Guide that can be found here:

<https://drive.google.com/file/d/1KlGdVF7OxK78C-R3SfbJN5Cf9h6JxZR1/view?usp=sharing>

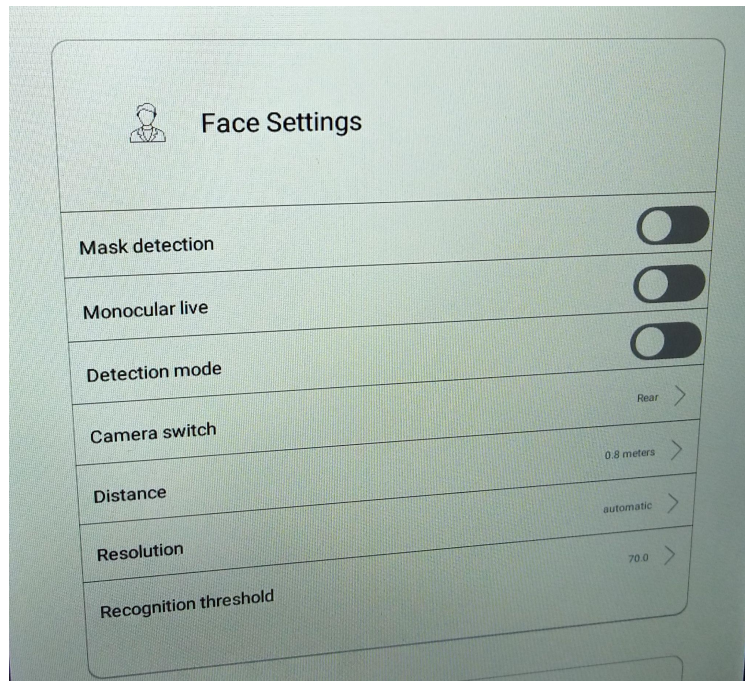
The Quick Start Guide is designed to give you just the basic setup information you need to get started using the device as a temperature scanner. It will not cover the advanced features, which will be discussed further on in the User Manual here.

User Manual

The rest of this document covers the advanced features of the device and also just document in detail the various menu options.

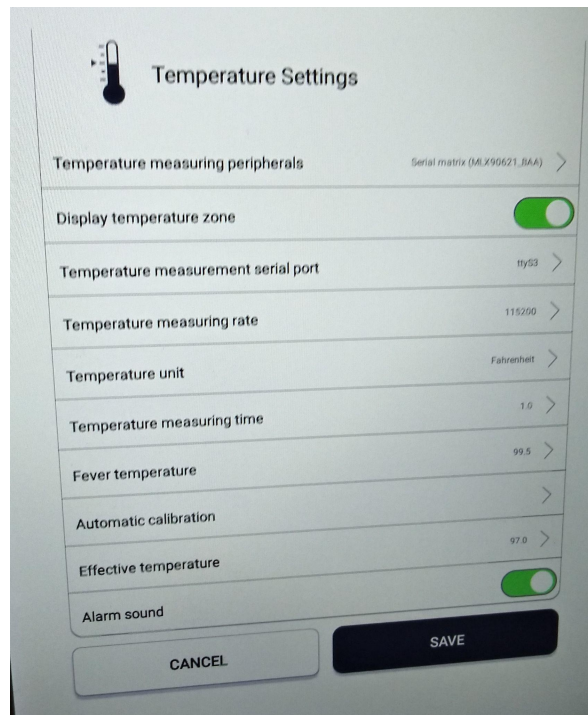
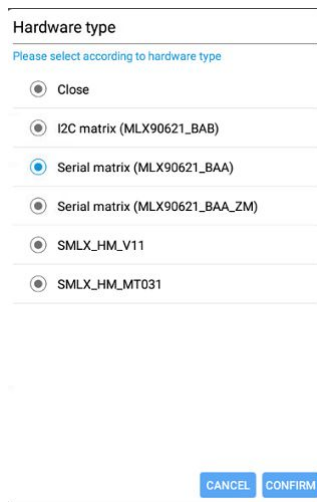
While it is good to read through these sections to get a better understanding of how the device works, it is not necessary unless you run into any issues and want to troubleshoot them.

Face Settings



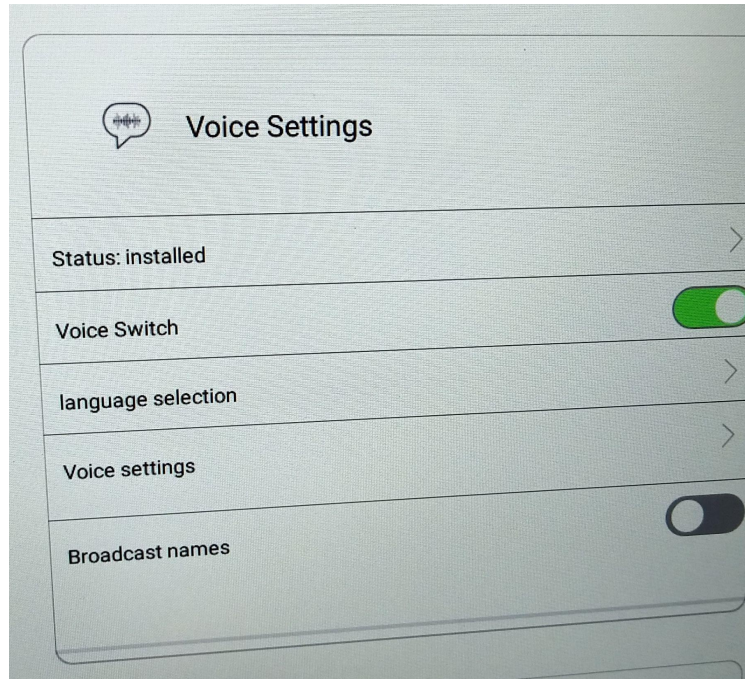
- Mask Detection - whether or not the device will determine if someone is wearing a mask and say something about it - if this mode is on then a new option will show up called Mask Interception which will not just remind people about masks but require them to wear one before they can scan.
- Monocular Live - this setting tells the device to figure out if the person in front of it is live or just a photograph - suggested to turn this off for better performance
- Detection Mode - when this mode is turned ON then facial recognition is disabled and the device will scan quicker
- Camera switch - changes which camera is used, best to leave at rear
- Distance - the distance at which the device will scan, you can experiment for best fit
- Resolution - the quality of the sensor images, best to leave on automatic
- Recognition Threshold - how accurate the facial recognition is, you can experiment but in general 70 is a good mix of accuracy and speed

Temperature Settings



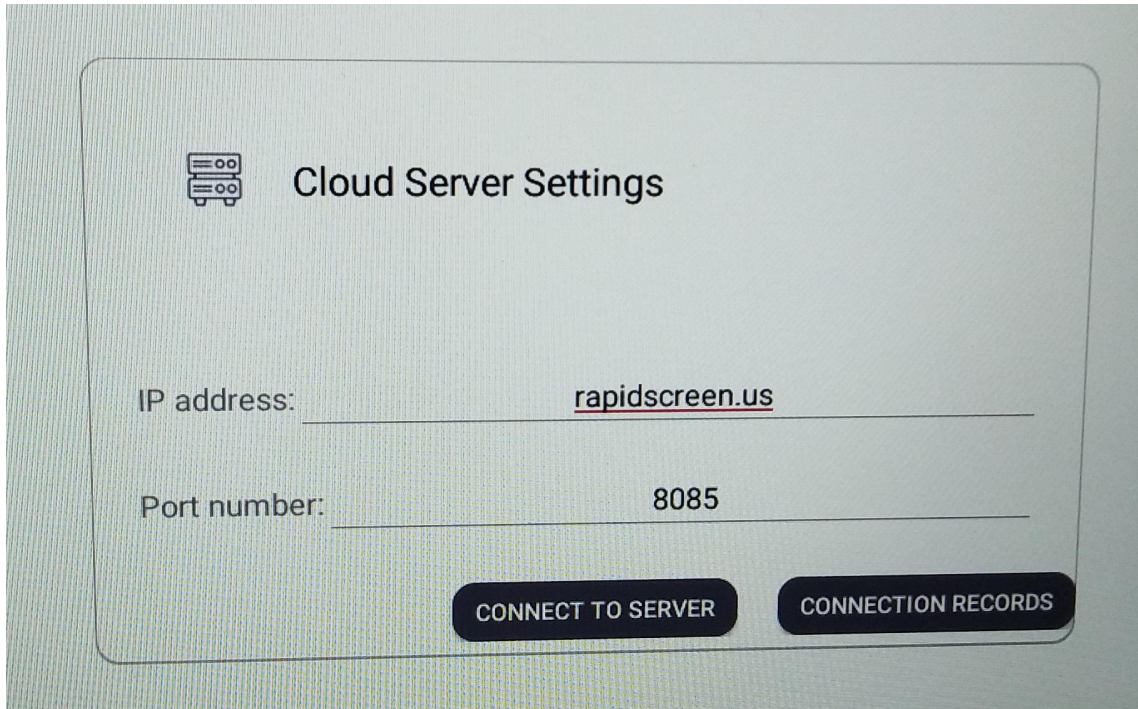
- Temperature measuring peripherals - this allows you to select different firmware for the thermal sensor, should not be necessary to change
- Display temperature zone - this setting turns on the display to show where to line up the forehead with
- Temperature measurement serial port - controls which port on the motherboard the sensor info is coming from, should not be necessary to change
- Temperature measuring rate - this value should always be 115200
- Temperature Unit - can change from Fahrenheit to Celsius
- Temperature measuring time - how long the scan duration is, longer for more accurate
- Fever temperature - set the threshold for what is considered a fever
- Automatic calibration - this tool lets you create an offset for even more accurate readings, please see the video in the Quick Start Guide for how to use this
- Effective temperature - if the device reads something below this value it will not scan, protects against false negatives from someone with a fever in cold weather
- Alarm sound - control whether or not the device plays an alarm noise when someone scans in over the fever temperature threshold

Voice Settings



- Status - this shows whether or not the Google Text To Voice APK is installed
- Voice Switch - this toggle will stop the voice prompts from playing entirely
- Language selection - opens up the Android OS settings to choose language, the voice prompts will reflect this selection
- Voice settings - opens up the Android OS settings to modify the voice settings (speed, pitch)
- Broadcast names - controls whether or not the voice announces the names of registered and recognized individuals

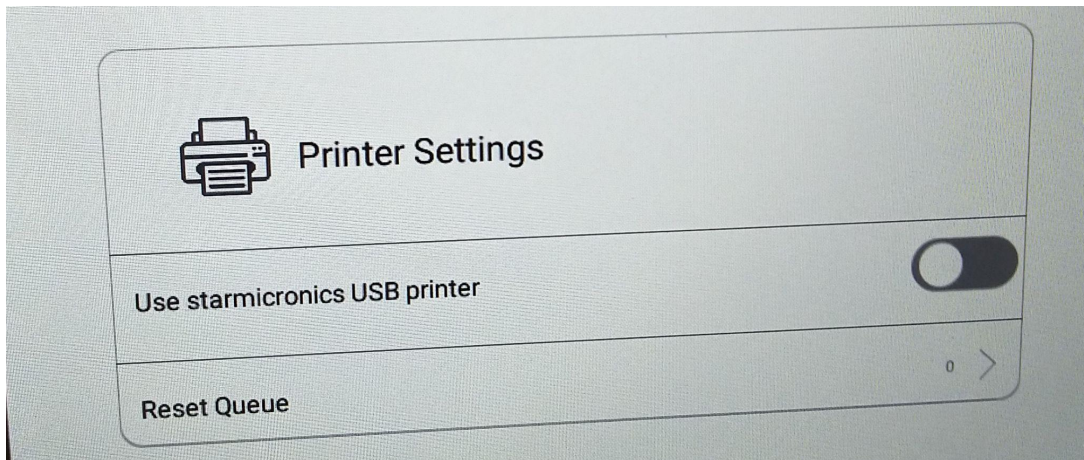
Cloud Server Settings



The screenshot shows a 'Cloud Server Settings' interface. At the top left is a server icon. The title 'Cloud Server Settings' is centered. Below it are two input fields: 'IP address:' with the value 'rapidscreen.us' and 'Port number:' with the value '8085'. At the bottom are two buttons: 'CONNECT TO SERVER' and 'CONNECTION RECORDS'.

- IP address - leave this as rapidscreen.us to use our cloud service
- Port number - this should always be 8085
- Connect To Server button - use this to connect after changing IP address
- Connection records - shows a list of recently connected to IP addresses

Printer Settings

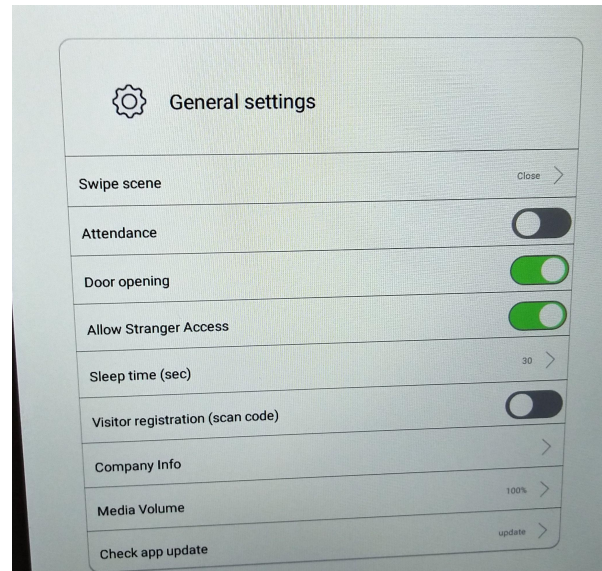


- Use starmicronics USB printer - sets whether or not to use USB printing mode (only works with Star Micronics brand printers)
- Reset Queue - only needed if the printer has issues printing

General Settings

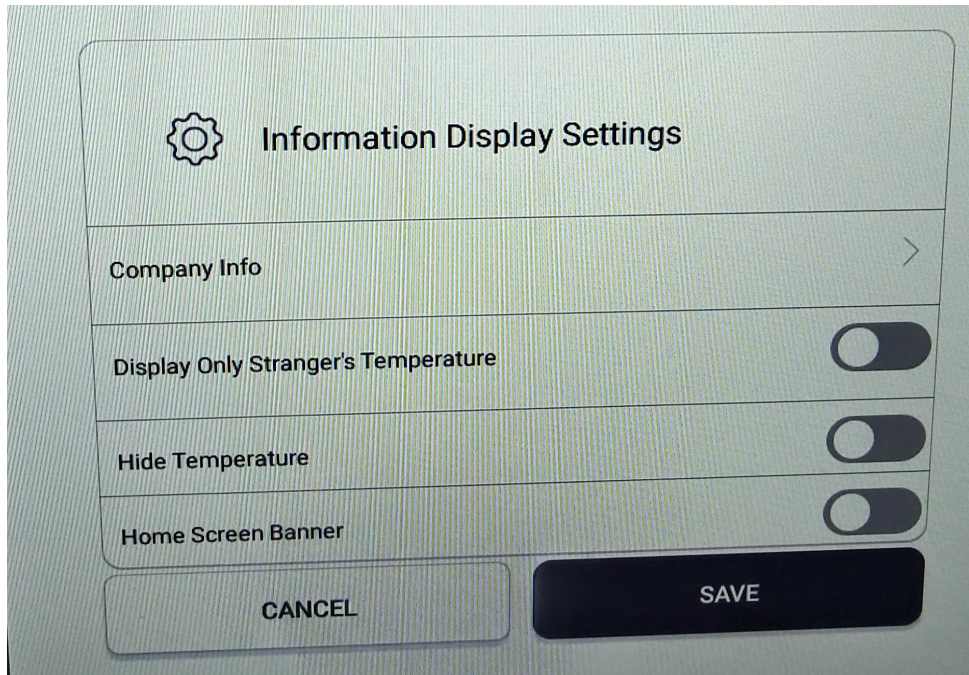
Swipe scene

- ☐ Close
- ☐ Card
- ☒ Credit card + temperature measurement
- ☐ Credit card + face verification



- Swipe scene - this option enables the RFID card swiping for identification purposes, you can put it on swipe card to get a scan or even swipe card + facial recognition
- Attendance - this would enable attendance features (not currently enabled)
- Door opening - this controls whether or not the Relay cable would send an open or close signal (optional use)
- Allow Stranger Acces - if this is on then guests / strangers can get a scan and proceed, if it is off then they will be told 'Access Denied'
- Sleep time (sec) - how many seconds before the device goes into the idle animation cycle
- Visitor registration (scan code) - when this feature is on guests / stranger will be shown a QR code on screen they can scan with their phone to register themselves to your account on rapidscreen.us
- Company Info - a section where you can fill out basic information about your company to have displayed on screen
- Media Volume - controls how loud the sounds and voice prompts are
- Check app update - can be used to look for an update to the app on the device, if one is found it will download and install it - please do not interrupt that process once started

Information Display Settings



- Company Info - toggle on or off the display of the company information entered on General Settings
- Display Only Stranger's Temperature - this option would only show the temperatures of guests / strangers but not anyone who was registered
- Hide Temperature - this option will hide the temperature reading entirely and you will only see a pass / fail when scanning
- Home Screen Banner - this option turns on a banner graphic on the scanning screen where more information is displayed