



Thermal Camera Temperature Screening Kiosk Model: **PDI-TK8** 



mymedTV.com



MODEL:

User Manual

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# SAFETY INSTRUCTIONS

NOTE: Temperature Screenings are designed to provide an initial body temperature measurement to detect fever, yet this device is not FDA-cleared or approved. The measurement should not be solely or primarily relied upon to diagnose or exclude a diagnosis of COVID-19, or any other disease. Secondary evaluation methods (e.g., non-contact infrared thermometer (NCIT) or clinical grade contact thermometer) are used to confirm an elevated body temperature or fever.

- This device is not FDA-cleared or approved. 1.
- 2. The device's intended use is for only one person at a time.

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- Temperature accuracy is  $\pm 0.9^{\circ}$ F (0.5°C). 3.
- The temperature threshold to determine if a user has fever defaults to  $99.5 \cdot F(37.5 \cdot C)$ . 4.
- To calibrate after reboot, wait 15min for Ambient temperature calibration of the device. 5.
- The device works only in indoor or semi indoor environments. Avoid direct sunlight or rain. 6.
- Elevated body temperature in the context of use should be confirmed with secondary FDA approved evaluation methods 7. (e.g., an NCIT or clinical grade contact thermometer)

## SPECIFICATIONS TO OPERATE

The device's intended use is for only one person at a time. To ensure an accurate measurement, follow these operating parameters:

| Recognition Technology: IR Array Th | Recognition Technology: IR Array Thermography Facial Temperature Detection and Facial Mask Wearing Recognition |  |  |  |  |
|-------------------------------------|--|--|--|--|--|
| Camera Type                         | Wide horizontal angle dynamic camera, automatic white balance, automatic backlight                             |  |  |  |  |
|                                     | optimization   |  |  |  |  |
| Recognition Time                    | 0.3 sec  |  |  |  |  |
| Focusing Height                     | 42" to 72" (1.0 to 1.8 m)  |  |  |  |  |
| Temperature Measurement Range       | 68-212°F (20-100°C)  |  |  |  |  |
| Temperature Measurement Distance    | 2ft (0.61m)  |  |  |  |  |
| Temperature Accuracy                | ±0.9°F (0.5°C)   |  |  |  |  |
| Operating Environment               | -10°C ~ +60°C  |  |  |  |  |
| Working Humidity                    | 20%-95%Non-condensing  |  |  |  |  |
| Ambient Temperature Calibration     | Allow 15min after reboot to calibrate the ambient temperature of the device.                                   |  |  |  |  |
| Storage Temperature                 | -30°C ~ +80°C  |  |  |  |  |

#### PREPARE THE AREA WHERE YOU WILL USE THERMAL IMAGING SYSTEM

- Room temperature should be 68-76°F (20-24°C) and relative humidity 10-50 percent.
- Try to control other items that could impact the temperature measurement:
  - 0 Avoid reflective backgrounds (for example, glass, mirrors, metallic surfaces) to minimize reflected infrared radiation.
  - Use in a room with no draft (movement of air), out of direct sunlight and away from radiant heat (for example, 0 portable heaters, electrical sources, cup of hot liquid on the hand, cigarette).
  - Avoid strong lighting (for example, incandescent, halogen and quartz tungsten halogen light bulbs). 0

## PREPARE THE THERMAL IMAGING SYSTEM

- If the device is off, turn it on and wait 15 minutes before use to warm it to ambient room temperature.
- Dirty or scratched lenses can impair the ability of the Thermal Imaging System to measure the temperature accurately. It is recommended to maintain the Thermal Imaging System to ensure the right functioning of the device.

#### PREPARING THE PERSON BEING EVALUATED

For thermal measurement, the person handling the system should make sure the person being evaluated:

- Does not have any unnecessary face obstructions before measurement (glasses, hat, headband, or scarf), the person's hair is pulled away from the face, and the person's face is clean and dry.
  - Exception: mask covering only the nose and mouth are taken into account specifically during thermal 0 measurement, and do not affect the thermal measurement accuracy.
- Does not have a higher or lower face temperature from wearing excessive clothing or head covers (for example, headbands, bandanas) or from using facial cleansing products (for example, cosmetic wipes).
- Has waited at least 15 minutes in the measurement room or 30 minutes after exercising, strenuous physical activity, bathing, or using hot or cold compresses on the face, coming from external cold/hot environment.





#### PRODUCT FEATURES AND WIRING DIAGRAM **PRODUCT FEATURES**

MODEL:



| Component | Description   |
|-----------|---|
| ID Number |   |
| 1         | Microphone  |
| 2         | Infrared complementary light                        |
| 3         | RGB camera  |
| 4         | IR camera   |
| 5         | Pass/Fail Light (green = pass, red = fail)          |
| 6         | Human detection (infrared laser range)              |
| 7         | Multi-point capacitive touchscreen                  |
| 8         | Card reading  |
| 9         | Fixed screw holes                                   |
| 10        | USB debug port                                      |
| 11        | USB 3.0   |
| 12        | Speaker holes                                       |
| 13        | Anti-dismantle (can be used as system reset button) |
| 14        | N/A   |
| 15        | Upgrade (factory mode)                              |
| 16        | Ethernet port                                       |
| 17        | 10pin function interface                            |





WIRING DIAGRAM

| Interface schematic |         | Interface I | Description |      |
|---------------------|---------|-------------|-------------|------|
| 557                 | DEBUG   | USB port    |             |      |
|                     | USB3.0  | USB3.0 port |             |      |
|                     | Network | 1000M port  |             |      |
|                     | port    |             |             |      |
|                     | 1       | 12V         | 6           | D1   |
|                     | 2       | GND         | 7           | D0   |
|                     | 3       | NC          | 8           | 485B |
|                     | 4       | COM         | 9           | 485A |
|                     | 5       | NO          | 10          | GND  |

Note: The electric lock need a separate power supply dedicated access, conditional increase UPS ups.

# ELECTRONICALLY CONTROLLED DOOR LOCK BUTTON CONNECTION

MODEL:



# ACCESS CONTROLLER CONNECTION



Face door control host

Note: NO and COM composition is normally open, NC and COM composition is normally closed, respectively, to the access controller NO, NC and COM terminals.

#### **INSTALLATION OF FLOOR STAND (PD190-003)**

These instructions cover the installation of the standard design of the frame assembly PD190-003. Any customizations may not be specifically outlined in these instructions.



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# SAFETY

- 1. Always wear safety glasses/goggles to prevent injury from debris.
- 2. Follow the installation/removal instructions for your existing products.

# **TOOLS REQUIRED**

- 1. 1/8" hex wrench
- 2. Safety glasses/goggles

# INSTALLATION

Included Hardware:

- 4 each; PDIBHSCS103275 Button Head Screws, #10-32 x 0.75 long.
- 1. Remove the base from its box and lay flat on the work surface. This will weigh approximately 7 pounds.
- 2. Remove the post from its box. This will weigh approximately 14 pounds.
- 3. Holding the post, orient the post so the holes at the bottom are in the same direction as the holes in the tabs on the base (see figure below).



4. Slide the post over the tabs and align the holes in the two pieces. Attach them with the four (4) screws that were included in the package with the base. They are #10-32 x 0.75 Button Head Screws, PDi Part number PDIBHSCS103275.



5. The Frame is designed to be able to be anchored to the floor if desired. If anchoring the Frame, the holes are sized for 1/4" anchor bolts. The anchor bolts are not included with the Frame.



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# INSTALLATION GUIDE: CONNECTING THE THERMAL CAMERA UNIT TO THE FLOOR STAND

Pass the data cable and power cable into the column through the opening. Attach bracket as shown below.



Straighten the wire and insert it into the corresponding interface of the unit.

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# **PDI-TK8 Temperature Scanner**

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## SOFTWARE USER GUIDE: CONNECTING THE UNIT TO YOUR NETWORK

MODEL:



Connect the 10-position phoenix connector to the back of the PDI-TK8 unit (Note: the red power and black ground wires are on the left side of the unit as you're are looking at the back of the unit). Next, plug the unit into the wall receptacle for power.





When the unit boots it will automatically start the application.

You must exit from the application to configure the unit on your network. Do this by pressing on the touchscreen until you see the pop-up keypad. Enter the default password, 123456 and press the checkmark.

Then press the **Show Desktop** icon at the bottom of the tablet screen.







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Select the Settings icon in the lower left corner of the display to show the Android system menu.



If WiFi is not enabled turn it on by sliding the button to the right.

Connect to a wireless network of your choice and note the IP address.



Select the app named BIOMATRIX.









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To display the IP Address to enter in your network PC browser, go to Device Management on the tablet. Select Equipment Information.



Now that you know the IP address enter it into your internet browsers address line on your network PC. Make certain to include the port :8080 in the string. In this case enter http://192.168.200.60:8080

> Enter this ip address into your browser as

the string)



http://192.168.200.60:8080





Q. Search Google or type a URL

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\$



Congratulations! You have now connected to the device to your PC.

# ACCESS CONTROL (ADDING A RECORD INTO THE SYSTEM)

|                           | the unit                                 |                                       |            |               |         |       |
|---------------------------|--|---------------------------------------|------------|---------------|---------|-------|
| -> C ( Not server   190   | 168.200.60.0000/home_en.html             |                                       |            |               |         | ŵ 🛢 O |
| Log record At             | tendance management Screen protection ad | overtisement System Settings Log Upio | ad         |               |         |       |
| 1                         |  |                                       |            |               |         |       |
| isase entre work x5/turne | Query Add Multi Import                   | Lan Arenne                            |            |               |         |       |
| verse a                   | User name                                | Card id                               | Pace image | Creation time | Operate |       |
|                           |  |                                       | No mata    |               |         |       |
| \                         | 1  |                                       |            |               |         |       |
| 1                         | 1  |                                       |            |               |         |       |
| · · ·                     | L  |                                       |            |               |         |       |
| From the                  | Access                                   |                                       |            |               |         |       |
|                           |  |                                       |            |               |         |       |

From your PC, log into the system using default password **123456**.

From the Access Control menu, click Add. When you click on Add, a record pop-up appears as shown next.





|                          | ance management Screen protection adver | tisement System Settings Log Upload |  |
|--------------------------|---|-------------------------------------|--|
| lease enter work id/name | ry Add Mutil Import Mutil               | osorte                              |  |
| Work id                  | User name                               | Card id                             | Face image                             |
|                          |   |                                     | No data                                |
|                          |   | New staff                           | ×                                      |
|                          |   |                                     |  |
|                          |   |                                     | Upload the picture                     |
|                          |   | Work Id Please                      | Upboad the picture enter the work id   |
|                          |   | Work id Please<br>User name Please  | Stylewal the proture enter the work at |

Click on the button to **Upload the picture** and navigate to where the image picture is located. The format of the picture can be either .jpg or .png but must be about 400 x 450 pixels.

If you receive a **face detect error**, please resize the image.

If an error message displays **please specify the file** – it means that the software is not recognizing the file type. Try reopening and resaving the image as a .jpg or .png file type.

| Access control Log record                                | Attendance management Screen protection                                | in advertisement System Setti | ngs Log Upload                     |                 | name. Not  |
|--|--|-------------------------------|------------------------------------|-----------------|------------|
| Please enter work idmame                                 | Query Add Mutil import   | Muttl dolete                  |                                    |                 | temperatu  |
| Work Id  | User name  | Card id                       | 7                                  | ace image       | complete t |
|  |  |                               | No data                            |                 |            |
| TIP: keep the  | e picture  | New                           | taff                               | ×               |            |
| image to abo<br>450 pix                                  | out 400 x<br>cels  |                               |                                    |                 |            |
| Format mus   | t be .jpg  |                               |                                    |                 |            |
| or .pr   | )g.  |                               |                                    |                 |            |
|  |  |                               |                                    |                 |            |
| 6  | · · · · · · · · · · · · · · · · · · ·                                  |                               | Cipload the pac                    | ture            |            |
| 100  | Can be b   | adge ID                       | ork id Please enter the work id    | 0               |            |
|  | Chuck Ste  | out                           | a name  Please enter the name      |                 |            |
|  |  |                               | and M. Phones and a file shad in f | (Abatha)        |            |
|  |  |                               | and no Prease enter the Land to (  | (interview)     |            |
|  |  |                               | Save                               |                 |            |
|  |  |                               | complete - cli                     | jut<br>ick Save |            |
|  |  | ent System Settings Log UpP   | ad                                 |                 |            |
| Log record Altendance                                    | management Screen protection advertiseme                               |                               |                                    |                 |            |
| entrut Log record Altendance<br>enter work Idmane Query. | Management Screen protection advertisers Add Multi Import Mails deline |                               |                                    |                 |            |
| enter work könnene Cherry<br>Vistak id:                  | Aas Multi keport Millel Overre<br>User name                            | Cart et                       | Face image                         | Creation Sime   | Operate    |

Then enter, if desired, the badge ID and the name. Note: including the name will allow the system to display the name when the emperature is displayed. Click **Save** to complete the record entry.



You can now continue to add records to the system. The capacity for record storage is up to 10,000 faces.

# SYSTEM SETTINGS

This menu selection controls features of the device related to:

MODEL:

- Information that is displayed on the device, ٠
- Whether the device can use photo images or the live camera for face detect comparison, •
- How the system can be used to track clock-in/clock-out functionality (attendance check), •
- Whether the system will report and allow access to strangers. A stranger is an image that has not been stored in the • database,
- Language settings for the device (both displayed and spoken language), •
- Temperature scale (°F / °C), •
- Additional settings to
  - o Reset the system
  - 0 Reset the software
  - 0 Synchronize time/date
  - Upload new system software (.apk)

| ss control Log reco               | d Altendance management Screen protection advertisement System Bettrups Log Upload |
|-----------------------------------|--|
| Basic parameters                  |  |
| Device name                       | +  |
| Temperature Check                 |  |
| Mask Detect                       | (This fiers will out take effect if you close the Check Temp)                      |
| Show Temp                         | (This fem will not take effect if you case the Check Temp)                         |
| Liveness check                    | 0  |
| Attendance switch                 | 0  |
| Stranger Pass                     | (0_)   |
| System language                   | ○ ФХ ④ Englan ○ cut.c  |
| Speech type                       | ○ 蘇港道 ④ English ○ 単语 ○ にはんご ○ Custom   |
| Log strangers                     |  |
| Temperature check<br>intervatimu) | 3000   |
| Temperature display<br>type       | Cessius 🖲 Fativesthet  |



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# **TEMPERATURE/MASK CONFIGURATION**

| sale managements                  |  | Tomporaturo/Mag | k configuration  |   |  |
|-----------------------------------|--|-----------------|------------------|---|--|
| asic parameters                   |  | remperature/mas | sk configuration |   |  |
| Device name                       |  |                 |                  |   |  |
| Temperature Check                 |  |                 |                  |   |  |
| Mask Dirtect                      | (This item will not take effect if you cause the Check Temp) |                 |                  |   |  |
| Show Temp                         | (This item will not take effect if you close the Check Temp) |                 |                  |   |  |
| Liveness check                    |  |                 |                  |   |  |
| Attendance switch                 | (B))   |                 |                  | 8 |  |
| Siranger Pass                     | 0  |                 |                  |   |  |
| System language                   | ○ 中文 (● English ○ こほんご                                       |                 |                  |   |  |
| Speech type                       | ⊖ Brillia ④ Ergent ◯ 8.8 ◯ =14.5 ◯ Custom                    |                 |                  |   |  |
| Log strangers                     |  |                 |                  |   |  |
| Temperature check<br>interval(ms) | 3000   |                 |                  |   |  |
| Semperature display               | C Cristes I Fatrented  |                 |                  |   |  |

**Temperature Check** – when *Enabled* will display the temperature. If used with **Show Temp** will also display the measured temperature as part of the text string at the bottom of the display.

| Device name<br>Temperature Check<br>Mask Detect                                     |  | 23:20                                      | rectangle around the subject face.                 |
|---|--|--|--|
| Device name<br>Temperature Check<br>Mask Detect                                     |  | 23:20                                      | rectangle al bana the subject face.                |
| Temperature Check<br>Mask Defect  |  |  |  |
| Mask Delect   |  | and the form                               |  |
|   | () (this item will not take effect if you close the Check Temp)                        | U GU GU                                    |  |
| Show Temp   | (This item will not take effect if you close the Speck Temp)                           |  |  |
| Liveness check  | •  | for a                                      |  |
| Altendance switch   | •  |  |  |
| Stranger Pasa   | •  |  |  |
| System language   | ○ 中文 ④ English ○ にほんご  | Hannel Church, SD, Kel, Tempel Centere (r. |  |
| Speech type   | ○ 普通语 ④ English ○ 専造 ○ にほんご ○ Custom   | .norm 157,278                              |  |
| Log strangers   |  |  |  |
| Temperature check   | 3000   |  |  |
| intervariants)  |  |  |  |
| Access control Log n  | record Atlendance management Screen protection advertisement System Settings Log Uploy | d  | Show Temp Disabled - in this setting note there is |
| Basic parameters  |  |  | no display of the temperature, but the system will |
| Device nar  | inte -   |  | still report if the temperature is normal.         |
| Temperature Che   | ecx 💽  | 23.21                                      |  |
| Mask Det  | tect (This item will not take effect if you close the Check Temp)                      |  |  |
| Show Ter  | mp (This item will not take effect if you close the Check Temp)                        | Para                                       |  |
| Liveness che  | ex  not shown  | If temperature is                          |  |
| Attendance swi  | tch 🕘  | measured below                             |  |
| Stranger Pa   | 855 🔘  | 99.5 °F the<br>temperature is              |  |
| System langua   | age 〇 中文 ④ English 〇 にはんご  | Kene Check Dived Torrowalke II             |  |
|   | ype 〇 普通话 ④ English 〇 尊语 〇 にはんご 〇 Custom   |  |  |
| Speech ty   |  |  |  |
| Speech ty<br>Log strange  | ers (i)  |  |  |
| Speech h<br>Log strange<br>Temperature che<br>interval(n                            | ers  |  |  |
| Speech ty<br>Log strange<br>Temperature che<br>interval(n<br>Temperature disp<br>ty | ers  |  |  |



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Temperature Check and Mask Detect Enabled. Note if Mask Detect is Enabled then the system will prompt to 'Please wear mask' with a message at the bottom of the screen and with an audio message. Once the mask is put on the system will report the result.

| ss control . Log reco             | d Attendance management Screen protection advertisement System Setting | Log Upload   |
|-----------------------------------|--|--|
| Basic parameters                  |  |  |
| Device name                       | (†);   |  |
| Temperature Check                 |  | 23:22 23:22 24   |
| Mask Detect                       | (This item will not take effect if you close the Check Temp)           | and all the second seco |
| Show Temp                         | (This liem will not take effect if you close the Check Temp)           | 1 MARCH  |
| Liveness check                    | •  | 132  |
| Attendance switch                 | 0  |  |
| Stranger Pass                     | 0  |  |
| System language                   | ○ 中文 ④ English ○ にほんご  |  |
| Speech type                       | ○ 音道语 ● English ○ 専语 ○ にはんご ○ Custom                                   |  |
| Log strangers                     |  | normal source source source and source  |
| Temperature check<br>Interval(ma) | 3000   |  |
| Temperature display               | 🗇 Cetsus 💿 Fatrenbet   |  |

# Temperature Check, Mask Detect and Show Temp all Enabled.

In this setting the subject must wear a mask and temperatures are displayed.

MODEL:

| Access control Log record         | d Attendance management Screen protection advertisement Syst | em Settings U | Log Upload |         |               |    |              |
|-----------------------------------|--|---------------|------------|---------|---------------|----|--------------|
| Basic parameters                  |  |               |            |         |               |    |              |
| Device name                       | B.   |               |            |         |               |    |              |
| Temperature Check                 |  |               |            |         |               |    |              |
| Mask Delect                       | (This item will not take effect if you close the Chock Temp) |               |            | 23:48   |               | 23 | 3:47         |
| Show Temp                         | (This item will not take effect if you close the Check Temp) |               |            | 11.0010 |               |    | 11 min       |
| Liveness check                    | 0  |               |            | A G     | Mar h         |    | - 44         |
| Atlendance switch                 | 0  |               |            |         | 52            |    | 1990 M       |
| Stranger Pass                     | 0  |               |            | 4       | -             |    | -2           |
| System language                   | ○ 中文 ⑧ Engaset ○ にはんご  |               |            |         |               |    |              |
| Speech type                       | ○ 普通话 ● English ○ 単语 ○ ロIA-ご ○ Custom                        |               |            |         | 100           |    | Advent 07. m |
| Log strangers                     | 0  |               |            |         | ate wear mask |    |              |
| Temperature check<br>Interval(ms) | 3000   |               |            | . 15-   |               | 4  |              |
| Terroreculture discular           | Column (a) Enterstant  |               |            |         |               |    |              |



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## LIVENESS CHECK

Liveness Check determines how the system processes image for checking - either from 'live' input or from a photo database.

| Access control Log recor          | rd Attendance management Screen protection advertisement System Settings Log Upload  |
|-----------------------------------|--|
|                                   |  |
| Basic parameters                  |  |
| Device name                       |  |
| Temperature Check                 |  |
| Mask Detect                       | (This Rem will not take effect if you close the Check Temp)  |
| Show Temp                         | (This item will not take effect if you close the Check Temp)   |
| Liveness check                    | Liveness check – determines how system processes image for checking – either from 'live'   |
| Attendance switch                 | (In the second s |
| Stranger Pass                     |  |
| System language                   | ○ 中文 ● English ○ にほんご  |
| Speech type                       | ○ 普通话 ● English ○ 報告 ○ にほんご ○ Custom   |
| Log strangers                     |  |
| Temperature check<br>Interval(ms) | 3000   |
| Temperature display<br>type       | Celsius 💿 Fahrenheit   |

# ATTENDANCE MANAGEMENT

Attendance switch – used in conjunction with Attendance management menu to log time-in/out functions as a time clock.

| Access control Log reco | rd Attendance management Screen protection advertisement System Settings Log Upload |
|-------------------------|---|
|                         |   |
| Basic parameters        |   |
| Device name             | •   |
| Temperature Check       |   |
| Mask Detect             | (This item will not take effect if you close the Check Temp)                        |
| Show Temp               | (This Rem will not take effect if you close the Check Temp)                         |
| Liveness check          |   |
| Attendance switch       | Attendance switch is used together with Attendance management menu selection (i.e.  |
| Stranger Pass           | using the device as a time clock to log   |
| System language         | ○ 中文  |
| Speech type             | □ 前語话 ● English □ 単语 □ にはんご □ Custom  |
| Log strangers           |   |
| Temperature check       | 3000  |
| Temperature denias      | C Folice D Esterebat  |
| type                    | C) course Ch ( surgeries  |
|                         |   |

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# **TEMPERATURE SCALE** – select either Fahrenheit or Celsius.

| Solution (The                     | ○ 普通话 ● English ○ 専语 ○ にほんご                             | Custom                         |
|-----------------------------------|---|--------------------------------|
| Log strangers                     | 0   |                                |
| Temperature check<br>Interval(ms) | 3000  | Choose temperature             |
| Temperature display<br>type       | 🔘 Celsizs 💿 Fahrenheit                                  | scale here                     |
| Open door password                |   |                                |
|                                   | Mulliple passwords are separated by spaces, for example | r 120 1234 12345               |
|                                   |   |                                |
|                                   | Save  |                                |
| Functional operation              | Save  |                                |
| Functional operation              | Save Restart the software Remote open door S            | ynchronization time APK Update |

CHANGING THE SYSTEM VOICE - this feature allows the system administrator to change the voice files that are played automatically by the system. Changes need to be made at the file management level to change the voice files as described below. Exit the application and press the desktop icon as shown here.







Once at the desktop swipe up from bottom of display to open the Search Apps page and select Explorer



MODEL:





The new voice files should be stored on a USB thumb drive.

In this version of the software, the system is looking for the voice files in hard coded .mp3 files with specific text string names. See the mapping in the table below. Your system has been pre-loaded with the voice files shown below in the .mp3 file string column.

Important Note: If you want to change any of the voice files, make sure to create the .mp3 file and save to the exact text string filename that matches the functionality that you desire. For example: If you want to change "Please come closer to the camera" to a different message, such as "Please come closer" make sure to copy the new .mp3 file to qingkaojin\_cus.mp3 to write over the current file.

Save these mp3 files to your USB thumb drive.

| Filename                  | .mp3 file string                                 |
|---------------------------|--|
| qingchongxincewen_cus.mp3 | "Please - take your temperature again"           |
|                           |  |
| qingkaojin_cus.mp3        | "Please come closer to the camera"               |
|                           |  |
| qingpeidaikouzhao_cus.mp3 | "Please wear your mask"                          |
|                           |  |
| qingtongxing_cus.mp3      | "Temperature check is complete - please proceed" |
|                           |  |
| tiwenyichang_cus.mp3      | "High temperature detected"                      |
|                           |  |
| tiwenzhengchang_cus.mp3   | "Your temperature is normal"                     |





MODEL:

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The Explorer menu should now display both Internal Memory and USB





Select the USB option and navigate to the folder Voice Files

You will see your voice mp3 files listed. Use the **Multi** menu item to select multiple files in the list.

| Home Disveller            | 0.00                                | 🛊 Home 📰 LevelUp           |
|---------------------------|-------------------------------------|----------------------------|
| gingchongxincewen_cus.mp3 | Carrier Bitmu                       | J qingchongxincewen_cus.mp |
| qingkaojin_cus.mp3        | Month and the second second         | dingkaojin_cus.mp3         |
| qingpeidaikouzhao_cus mp3 | AT PERSONNEL TO THE REAL OF         | dingpeidaikouzhao_cus.mp   |
| dingtongxing_cus.mp3      | Augusta and a service               | ticstongying cus mp3       |
| tiwenyichang_cus.mp3      |                                     | JJ qingtoriganiga          |
| ∬ tiwenzhengchang_cus mp3 | 12.30 ( 10.00 ( 10.11.11.11.11)) va | が tiwenyichang_cus.mp      |





Note that when selected the text color is gold. When each file has been selected click on the Editor menu item and select Copy.



Next, copy these files to the internal memory of the PDI-TK8 device. Select Home and then Internal Memory



| (plorer)        |        |           |
|-----------------|--------|-----------|
| A Home ELevelup | EnMuni | (C) Marce |
| Internal Memory |        |           |
| S USB           |        | 1000      |
|                 |        |           |
|                 |        | 199       |
|                 |        | 100       |
|                 |        | 100       |
|                 |        | 100       |

|              | I )ı            |
|--------------|-----------------|
|              |                 |
| Communicatio | on Systems, Inc |

From Internal Memory navigate to the Music folder and select. The window will display the default files. Select Editor and then select Paste.



At the prompt "(Filename) exist, are you sure to recover?" Select RECOVER for each file in the list.





| mai Memory/M | 1940             |           |  |
|--------------|------------------|-----------|--|
| 🛊 Home       | Its Levelup      | Ginni     | Etate  |
| J qingchongx | incewen_cus.mp3  |           |  |
| カ qingkaojin | cus mp3          | HALF THE  |  |
| ゴ qingpeidai | kourtvao_cus.mp3 | MINIT     | STELLINE I   |
| J qingtong   | ing.cus.mp3      | - sente   | TOUR HAR   |
| tiwenyich    | ang_cus mp3      | 1 10 22   | op to an a state of the state o |
|              | ouchang_cus.mo3  | LO MAINT  | 61152154 W.W.  |
| 1 invenzio   | Voice f          | iles are  |  |
|              | now in           |           |  |
|              | memo             | ry on the | 2  |
| <u>0</u>     | unit             | ···       |  |

Now the new voice files are loaded into the device.





| PDi   | MODEL:<br>PDI-TK8 Temperature Scanner                                      |  | Document Number:<br>PD196-416R2   |
|---|--|--|---|
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| The last step is to let the PC softw<br>files in the Music folder.<br>In the PC software under <b>System</b><br>radio button then click <b>Save</b> . | rare know to use the new voice<br><b>Settings</b> select the <b>Custom</b> | Access control Log record Attendance management<br>Staaw Tomp C (Thin, firm with oot hale of<br>Unemens check C)<br>Attendance switch C)<br>Stranger Plans C)<br>Stylem targuage C) 40; C) English C)<br>Speech type C) Biblio C English C)<br>Log stranger C) | Screen protection advertiserer System Bettings Log Uppool<br>htt / Your close the Check Temps<br>To use the new<br>voice files, select<br><b>Custom</b> and the<br>click on <b>Save</b><br>Custom |

Temperature check 3000 ansevative) Temperature taplay C Cessus • Fatneshed

See.

Multiple presents are reparated by spaces. for example 123 1234 12340

Open door passeord

Next, **Restart the software.** To calibrate after reboot, wait 15min for Ambient temperature calibration of the device. No other calibration is required.

| Speech type                       | ◯ 報道茶 ◯ English ◯ 尊道 ◯ にほんご ④ Custom                                   |   |
|-----------------------------------|--|---|
| Log strangers                     |  |   |
| Temperature check<br>interval(ms) | 3000   |   |
| Temperature display<br>type       | Colsius () Fahrenheit  | Then click <b>Restart</b><br>the software. The<br>system will reboo           |
| Open door password                | Multiple passwords are separated by spaces, for example 123 1234 12345 | and auto-start the<br>thermal scanner<br>software with the<br>new voice files |
| Functional operation              |  |   |
| Restart the device                | Restart the software Remote open door Synchronization time APK Update  |   |
| Security Settings                 |  |   |

| PNi                        | MODEL:<br>PDI-TK8 Temperature Scanner | Document Number:<br>PD196-416R2 |
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## SCREENSAVER/SCREEN PROTECTION ADVERTISEMENT

This is the screen saver image that will display on the screen when the system is dormant.

| Screen protection advertisement | System Settings Log Upload                          |  |   |  |
|---------------------------------|---|--|---|--|
| Query Batch delete              |   |  |   |  |
| monthly attendance statistics   |   |  |   |  |
| User name                       | Verify type   | Record time  | Record image  | Operate  |
|                                 | No dal  | a  |   |  |
|                                 |   |  |   |  |
|                                 |   |  |   |  |
|                                 |   |  |   |  |
|                                 |   |  |   |  |
|                                 |   |  |   |  |
|                                 | Curry Baich deeler<br>sorthly attendance statistics | Curry Barch doeler<br>Northly attendance statistics<br>User name Verify type<br>No dat | Contry     Build Heeker       Northly attendance stands     User name       User name     Verify type       Record time   No data | Image: Control to accord |

Upload the screen saver image from your storage device.

| Access control          | Log record       | Attendance management | Screen protection advertisement | System Settings | Log Upload |
|-------------------------|------------------|-----------------------|---------------------------------|-----------------|------------|
| Screen sav              | er advertising s | ettings               |                                 |                 |            |
| Dwell time<br>(seconds) | )                |                       |                                 |                 |            |
|                         | Save             |                       |                                 |                 |            |
| Adlet                   |                  |                       |                                 |                 |            |
| Upkoad pict             | ure              |                       |                                 |                 |            |
|                         |                  |                       |                                 |                 |            |



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#### Sample PDi screen saver uploaded.



Select the image and click on Open

Set the dwell time to the desired time in seconds and **Restart** the software.

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|----------------------------|---------------------------------------|---------------------------------|
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#### SYNCHRONIZATION TIME

L

To synchronize the system time with your PC, select Synchronization time. After a few seconds the device updates with the synchronized time.

Access control Log record Attendance management Screen protection advertisement System Settings Log Upload Speech type () 普通话 () English () 粤语 () にほんご () Custom Log strangers Temperature check 3000 interval(ms) Temperature display 🔵 Celsius 💿 Fahrenheit type Open door password Multiple passwords are separated by spaces, for example 123 1234 12345 Functional operation Security Settings Change login password

# LOG RECORD

This feature displays all the records that have been scanned into the system. For each record the time is recorded along with the image capture, the name and measured temperature. You can query individual records, selectively delete records, perform batch delete operation and export the text data to an Excel spreadsheet.

|      | Cumul<br>38/F | ative check.<br>Person |                     | Accumulated fever<br>0/Person | Cnec<br>13/P              | erson               | Fever tod.<br>0/Perse | <sup>ny</sup><br>on |
|------|---------------|------------------------|---------------------|-------------------------------|---------------------------|---------------------|-----------------------|---------------------|
| nt i | tale          | End date               | Alt records         | Guery                         | Batch operin Export overn |                     |                       |                     |
|      | Work id       | User name              | Temperatu           | e Devic                       | e name Check type         | Record time         | Record image          | Operat              |
|      | 654321        | Chuck Stout            | 97.2 IF             |                               | Pace                      | 2020-08-14 16 08 20 | See                   | Datate              |
|      | 654321        | Chuck Stout            | .97.2 *F            |                               | Face                      | 2020-08-14 16:00:15 | 544                   | Dave                |
|      | 654321        | Chuck Stout            | 97.2 TF             | System will                   | store Face                | 2020-08-14 16:08:11 | See                   | Charlanda           |
|      | 654321        | Chuck Stour            | 97,2 4              | each therma                   | Face                      | 2020-08-14 16:07:30 | 500                   | Detet               |
|      | 654321        | Chuck Stout            | 97.2 *F             | sample. Log                   | can Face                  | 2020-00-14 16 07 24 | the                   | Deter               |
|      | 654321        | Chuck Stout            | 97.2.44             | be exported                   | to Face                   | 2020-08-14 16 06:28 | See                   | Deset               |
|      | 654321        | Chuck Stout            | 97.2 <sup>4</sup> F | excel                         | Face                      | 2020-08-14 16:06:24 | See                   | Detek               |
|      | 654321        | Chuck Stout            | 97.0 4              |                               | Face                      | 2020-08-14 14:53 19 | 544                   | Denter              |
|      | 654321        | Chuck Stout            | 97.2 °F             |                               | Face                      | 2020-08-14 14:53:14 | 200                   | Deter               |
|      | 854321        | Chuck Stout            | 97.2 平              |                               | Face                      | 2020-08-14 14 53 10 | 500                   | Denist              |



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|----------------------------|---------------------------------------|---------------------------------|
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To preview an image, click the button "SEE" as a convenient way to ensure you have the correct image per record.

| 200      | 6+=        | Advances  | - 0mm        | Tarran and |   |            |  |
|----------|------------|-----------|--------------|------------|---|------------|--|
| 10000    | Marriette  | Transact. | Design Agent | Destine    | Receive   | Annational | Garan  |
| 094121   | 1748 Ted   | 97.2 19   |              | 1919       | 2010/07/14 10:00:20   | 100        | and the second   |
| 094121   | Ouris time | 072.4     |              | Fala       | 2122-25-14-16-02-16   | 100        | Contra State   |
| 000001   | Overalling | 852.9     |              | 744        | and the second second second  | 100        | Contra De la Contr |
| 104021   | Date line  | 913.4     |              | faar.      | Face maps   | 100        |  |
| 004079   | Outstat    | 10.2 *    |              | the.       |   | 100        | 1000   |
| -miniti  | Chuid Time | 824       |              | 784        | 100   |            | Contraction of the local division of the loc |
| 814121   | Chait Real | 0.54      |              | Face       | 11-1-1-1  |            | 1000   |
| aneter . | income.    | 10.04     |              | 740        | A DECK  | 100        | Trees  |
| 004121   | then mur   | 10.2.4    |              | 100        | 0.000   |            | E  |
| 10401    | Chait Blad | 10.2 1    |              | Terr       | and the second se | 123        | and the second   |

To export, click on the **Export excel** button. The file will be written to the download folder on your PC and may then be opened in Excel. **Note:** there are no images uploaded with the log file.

|      | 3                     | 8/Person               | 0/Pe                           | ned level<br>rson |               | 13/Pe              | rson                   |           | 0/Pe         | rison  |
|------|-----------------------|------------------------|--------------------------------|-------------------|---------------|--------------------|------------------------|-----------|--------------|--|
| tart | date                  | Ent date.              | At recents =                   | Query Datch Inner | aport encore  |                    |                        |           |              |  |
|      | Verifi di             | User name              | Temperature                    | Device trame      | Check         | hpe:               | Record time            | ;         | Record Image | Operate  |
|      | 854321                | Chuck Stout            | 97.2 4                         |                   | Face          |                    | 2020-05-14 16 08 20    | 1         | 200          | Contra la  |
|      | 654321                | Chock Stoul            | 07.2 19                        |                   | TICK          |                    | 2020-06-14 16:08 16    |           | Tes          | Owner  |
|      | 65,6329               | Chire Stat             | -07.3.46                       |                   | Faire         |                    | 2000-05-54 16 08 11    |           |              | -  |
|      | The states            | and the second second  | -25-17-27                      |                   | 1,000         |                    | 2000 00 11 10 10 10 10 | _         |              | Concession in the local division of the loca |
|      | 634321                | Chuck Stour            | 972.9                          | 1.0               | 7.809         |                    | 2000-06-14 10:07:30    | _         | 244          | Cream  |
|      | 654321                | Chuck Stout            | 07.2.年                         |                   | 0000518-1-200 |                    | 2000-08-54 16:07:24    |           | See.         | Crient   |
|      | 654321                | Chuck Stout            | U7-2-19                        |                   | Face          | Contraction of the |                        |           | L            |  |
|      | 654221                | Chuck Stole            | 87.2 14                        |                   | Face          | 654221             | Chuck Stor 07.2 SP     | tu Device | Eaco         | 2020.09.15.04:09:20  |
|      | (54321                | Chuce Stour            | 17.0 19                        |                   | Fice          | 654321             | Chuck Stor 97.2 °F     | 1         | Face         | 2020-08-15 04:08:16  |
|      | 514321                | Chuck Store            | 1972年                          |                   | Facel         | 654321             | Chuck Stor 97.2 °F     | 1         | Face         | 2020-08-15 04:08:10  |
|      | (addated)             | deline devel           | 11.7.10                        |                   |               | 654321             | Chuck Stor 97.2 °F     | -         | Face         | 2020-08-15 04:07:30  |
|      | 554321                | Chock should           | 97.4.9                         |                   | 1000          | 654321             | Chuck Stou 97.2 °F     | -         | Face         | 2020-08-15 04:07:24  |
|      | -                     |                        |                                |                   | 1             | 654321             | Chuck Stou 97.2 °F     | 1.        | Face         | 2020-08-15 04:06:28  |
|      | 2.2.40                | i ned to 1 pror Contra | totel 30 nutt - 10 numbage . • |                   | 3             | 654321             | Chuck Stor 97.2 "F     | 4         | Face         | 2020-08-15 04:06:24  |
|      |                       |                        |                                |                   | 3             | 654321             | Chuck Stor 97.0 °F     |           | Face         | 2020-08-15 02:53:19  |
|      |                       |                        |                                |                   | 0             | 654321             | Chuck Stor 97.2 °F     |           | Face         | 2020-08-15 02:53:14  |
|      |                       |                        |                                |                   | 1             | 654321             | Chuck Stou 97.2 °F     | 1.        | Face         | 2020-08-15 02:53:10  |
|      |                       |                        |                                |                   | 2             | 654321             | Chuck Stou 97.0 °F     |           | Face         | 2020-08-15 01:50:37  |
|      | 1.12                  | 10 <u>0</u>            |                                |                   | 3             | 654321             | Chuck Stou 97.0 °F     | 4         | Face         | 2020-08-15 00:02:41  |
|      | cond. Long Hill alter | the Third C + Dain     | 10110                          |                   | 4             | 654321             | Chuck Stou 84.6 °F     | -         | Face         | 2020-08-15 00:02:32  |
|      | 1.11.11.11.11         | T T THEPC > DOW        | nioads                         |                   | 5             | 654321             | Chuck Stor 97.2 °F     |           | Face         | 2020-08-14 23:53:39  |
|      |                       |                        | 2                              | Today (2)         | - 6           | 654321             | Chuck Stou 97.2 *F     | 1.        | Face         | 2020-08-14 23:53:30  |
|      |                       | cess                   |                                | E Burnel Log (f)  | 7             | 654321             | Chuck Stor 97.2 °F     | 1.        | Face         | 2020-08-14 23:47:15  |
|      |                       |                        |                                | Decord_Log (4)    | 8             | 654321             | Chuck Stor 97.3 °F     |           | Face         | 2020-08-14 23:47:11  |
|      |                       |                        |                                | Enkecord_Log (3)  |               | CEADOL             | Chuck Stor 07.2 PP     |           | Face         | 2020 00 14 23 46 26  |

# **APK UPDATE**

Should a software update be required, select this option and navigate to where the new .apk file is located. Then select **APK Update** to update the system software.

|  | MODEL:<br>PDI-TK8 Temperature Scanner  | Document Number:<br>PD196-416R2 |
|--|--|---------------------------------|
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| Access control Log reco                            | d Attendance management Screen protection advertisement System Settings Log Upload |                                 |
| Speech type  | ○ 鑚遺话 ● English ○ 毒店 ○ にほんご ○ Custom   |                                 |
| Log strangers<br>Temperature check<br>interval(ms) | 3000   |                                 |
| Temperature display<br>type                        | Cetsius 🛞 Fahrenneit   |                                 |
| Open door password                                 |  |                                 |
|  | Multiple passwords are separated by spaces, for example 123 1234 12345             |                                 |
| Functional operation                               |  |                                 |
| Restart the device                                 | Restart the software Remote open door Synchronization time: APK Update.            |                                 |
| Security Settings                                  |  |                                 |
| Change login password                              | Change device parsword   |                                 |

The new .apk will be downloaded and installed on the system. Once the unit is back at the Android desktop swipe up and select the application named BIOMATRIX.





**ADDITIONAL INFORMATION** Additional information is available online at www.pdiarm.com.

|   |      | 7        |        |         |
|---|------|----------|--------|---------|
|   |      |          |        |         |
| C | ommu | nication | Syster | ns, Inc |

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# LIMITED WARRANTY

PDi Communication Systems Inc., ("PDi") standard warranty information is found at pdiarm.com. For information regarding authorized servicing and all other information pertaining to this warranty, please contact PDi COMMUNICATION SYSTEMS, INC. at 40 Greenwood Ln, Springboro, Ohio 45066 or phone 800-628-9870 and ask for the PDi ProServices team.



