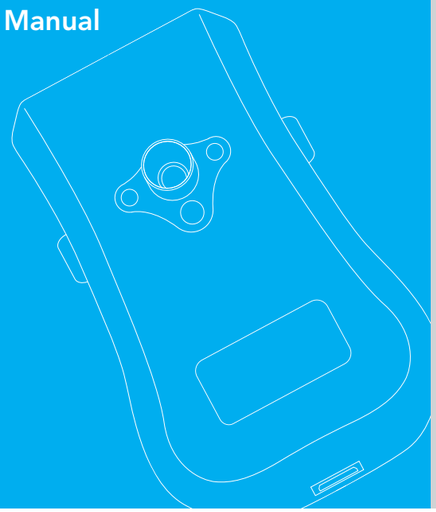
CyberTake

Wireless Attendance & Symptoms Recording Device

User Manual



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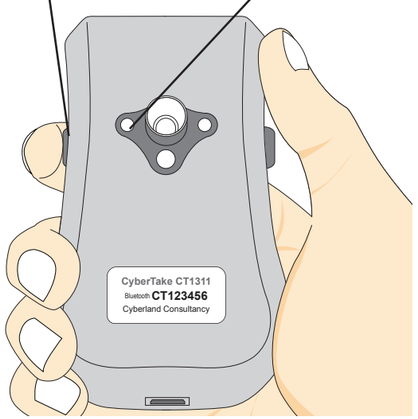
1 How to Power On :

Press and Hold
LEFT Button
T
for 5 Seconds

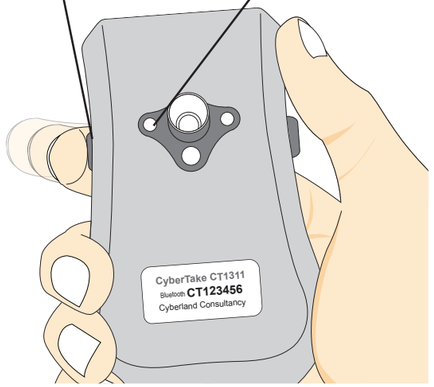
LEFT LED will blink
ONCE with GREEN,
then blink
TWICE with RED



2 How to Power Off :

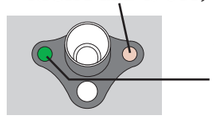
Press
LEFT Button
T
in quick
succession
4 times

LEFT LED will blink
with each press, follow
by a short burst of quick
blinks. Then both LEFT
and RIGHT LEDs will
turn off



3 How to check if Bluetooth is connected :

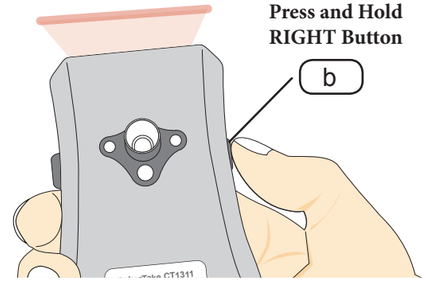
RIGHT LED is OFF,



LEFT LED blinks
with GREEN at
long interval

4 How to Activate Barcode Scanning :

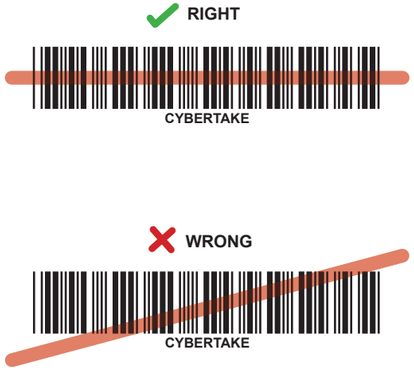
Press and Hold
RIGHT Button
b



Barcode scanning red beam will turn off automatically when decoding is successful

5 How to Scan Barcode correctly :

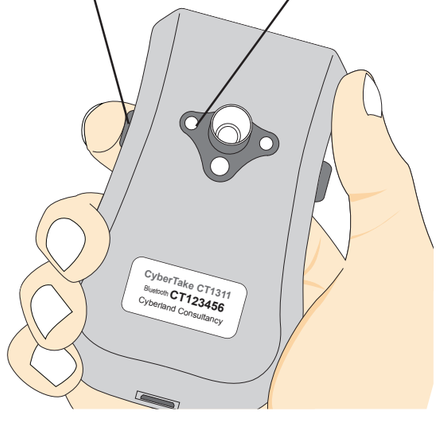
Ensure all bars and spaces are covered by the red beam



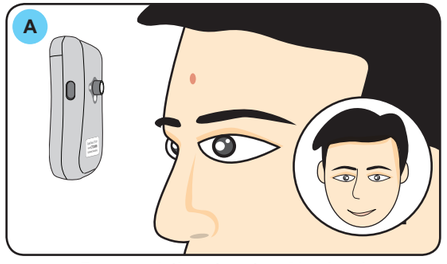
6 How to Activate Thermal Sensing:

Press and Hold
LEFT Button
T

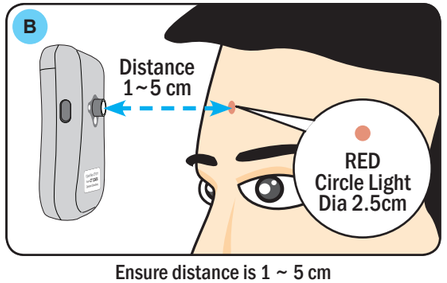
LEFT LED (RED) will turn
on for 1 Second
while sensing temperature,
then blinks quickly to
signal thermal sensing is
completed



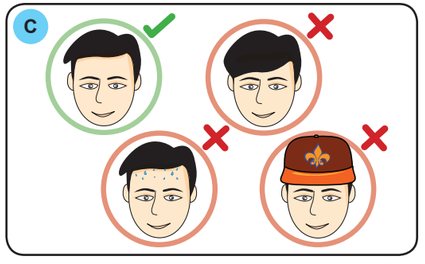
7 How to do Thermal Sensing correctly :



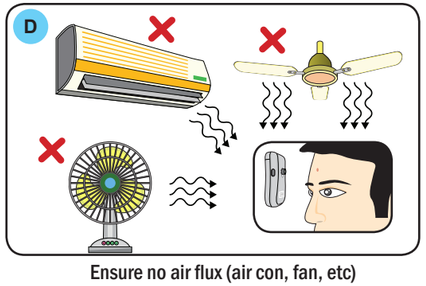
Ensure pointing at centre of forehead



Ensure distance is 1 ~ 5 cm
(red circle of light is clear and about 2.5cm in diameter)



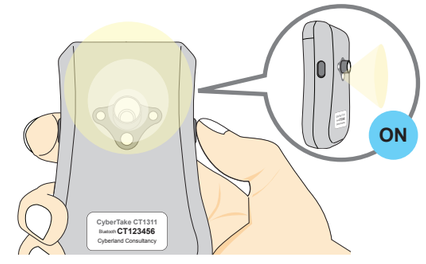
Ensure centre of forehead is clear of hair, sweat, or other articles

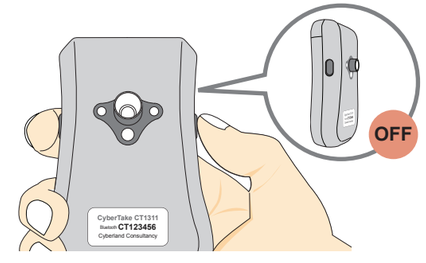


Ensure no air flux (air con, fan, etc)

8 How to Toggle Torchlight On/Off :

Press both buttons together
to toggle torchlight ON or OFF

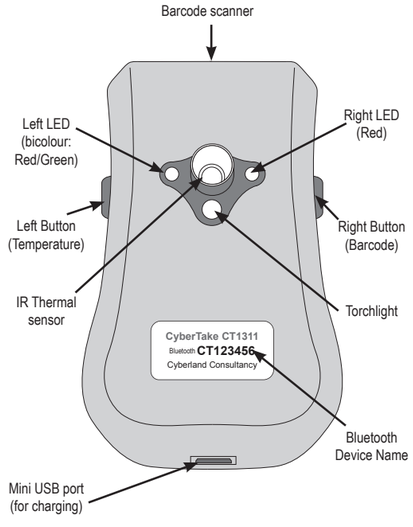




1 What's in the package

- CyberTake CT1311
- USB cable
- Manual

2 Parts



3 LED Indications

Left LED	Right LED	Indication
Off	Off	Device Off
Green, blinks at long interval	Red, blinks regularly	Device in power on state, bluetooth not connected
Green, blinks at long interval	Off	Device in power on state, bluetooth connected
Green, on		Battery charging
Green + red, on		Battery fully charged
Green, rapid blinking		Battery weak
Green, blinks once; followed by Red, 1 long pulse and 1 short	Red, blinks regularly	Device is being powered on
Red, blinks 4 times with 4 presses of left button in quick succession, followed by short burst of quick blinks		Device is being powered off
Red, on for about 1 second, followed by short burst of quick blinks		IR thermal sensor is triggered and thermal sensing has occurred

4 How to

(e) Do Thermal Sensing

10. Where a number not in "normal zone" is shown, users are required to measure the actual body temperature with a clinical thermometer
11. Environment temperature affects sensor reading, if CyberTake CT1311 is being moved from a different environment temperature, settle for at least 15 minutes before using
12. If the person to be scanned comes from a different environment temperature, rest for 5 minutes before scanning
13. CyberTake CT1311 is for indoor use only

5 Handling

(a) Temperature conditions

- Use in area between 10°C ~ 40°C. Do not expose CyberTake CT1311 for prolonged period under direct sunlight or near direct heat.

(b) Water

- Avoid contact with water

(c) Shock / ESD

- Do not present mechanical shocks to CyberTake CT1311
- Do not leave CyberTake CT1311 in an area where static charge is accumulated, or near devices where electromagnetic emission is generated

(d) Cleaning

- Clean the barcode scanner window regularly to maintain optimum reading performance
- Clean the IR thermal sensor lens with cotton bud regularly

(e) Maintenance

- There are no user-serviceable parts inside CyberTake CT1311, please do not try to take it apart, doing so will void your warranty

(f) Charging

- CyberTake CT1311 can be charged using the USB cable in the package or the charger provided
- Please charge CyberTake CT1311 for full 8 hours before first use
- Do not use the unit when the battery is weak, which is indicated by rapid blinking of the LEFT LED (green light). Recharge immediately

6 Troubleshooting

(a) CyberTake cannot be powered on

- Battery is flat. Recharge battery

(b) Readings from barcode scanner or thermal sensor not sent to mobile device

- Bluetooth connection is not established. Connect mobile device to Cybertake via bluetooth

(c) Readings from barcode scanner or thermal sensor is incomplete or appear as gibberish in the mobile device app

- The mobile device is too far from Cybertake. Bring the mobile device closer to Cybertake

(d) Barcode scanner cannot read barcode

- Check that the width of the code does not exceed the width of the light beam
- Change the angle between the code and the scanner
- Change the distance between the code and the scanner

(e) Thermal sensor cannot be activated even though Cybertake is powered on

- The sensor has reached its maximum number of readings. Inform Cyberland Consultancy to change the thermal sensor

7 Important Notes

- While its accuracy between 22°C and 40°C (surface temperature) has been tested and verified, CyberTake CT1311 has no display of its own. It is to be used with its companion mobile app (iOS and Android), which in turn is an integral part of an attendance taking system. As such, it is intended to be used with institutions which require quick temperature screening. It is not intended for home or personal use. It is also not intended for diagnostic use in clinics or hospitals.
- When CyberTake CT1311 indicates a higher or lower than normal temperature, a clinical thermometer must be employed to determine the actual body temperature.
- No harm will be caused should the red circle of light be accidentally pointed in the eyes: the beam is from absolutely harmless LED
- CyberTake CT1311 is calibrated to reflect body temperature; it is not intended for surface temperature display

8 Product Specifications

(a) General

- Operating temperature: 10°C ~ 40°C (50°F ~ 140°F)
- Humidity rate: <= 85%, non-condensing
- Power: Lithium-ion battery, 3.1V ~ 4.0V
- Size: 107 x 62.5 x 26.6 mm (L x W x H)
- Weight: 100g
- Automatic off: after 30 mins of idle
- Storage temperature: -10°C ~ 45°C

(b) Barcode scanner

- Scan angle: 53.3° ± 3°
- Field of View: Horizontal: 53.3° ± 3°; Vertical 0.4°
- Illumination: LED 630 ± 30 nm (wavelength)
- Optical Resolution: 5 mil
- Scan repetition rate: Nominally 50 scans/second
- Minimum Print Contrast: 20% MRD measured at 630nm
- Decodable formats: Code 39, UPC, EAN 2, EAN 5, EAN 8, EAN 13, Code 25 (interleaved), code 93, code 128

(c) Thermal sensor

- Accuracy: ± 0.3°C (Ambient temperature: 15°C ~ 40°C; Surface temperature: 22°C~ 40°C)
- Sensing distance: approximately 1 ~ 5 cm
- Sensing time: 1 sec

(d) Torchlight

- Brightness: 24 candela

9 Warning

CyberTake CT1311 is NOT a medical device. CyberTake CT1311 and its associated applications should not be used to diagnose, treat, or prevent any disease or medical condition. Always seek the advice of a qualified medical professional.

6. Under "Available Devices", look for the name that corresponds to that on the label on CyberTake CT1311
7. Tap on the name and wait for "connected"
8. The right LED will go off to indicate connected
   *In order for CyberTake CT1311 to communicate with the Android device, bluetooth status has to be "connected", not just "paired"

(d) Do Barcode scanning

- Aim the scanner at the barcode
- Press and hold right button
- Ensure the scan line crosses every bar and space of the code

✓ **RIGHT**

✗ **WRONG**

- The scanner red light beam will go off when the code is decoded successfully
- Release right button

- Where the scanner has difficulty reading the code,
  (i) check that the width of the code does not exceed the width of the light beam
  (ii) change the angle between the code and the scanner
  (iii) change the distance between the code and the scanner

(e) Do Thermal Sensing

1. Aim the nozzle of the thermal sensor at centre of forehead, perpendicular to the forehead, at a distance of approximately 3 cm
2. Ensure centre of forehead is free from hair, clothing, sweat or other external particles
3. Ensure there is no air flux (air-conditioner, fan, etc) as this will interfere with the infrared system
4. Press and hold left button
5. A red circle of light will appear on the forehead, indicating sensing in progress
6. A clearly defined circle with diameter of about 2.5cm (20 cents coin) indicates optimal sensing distance
7. The red circle of light will go off in 1 sec as sensing process completes
8. Release left button
9. As a convenience to users, CyberTake CT1311 indicates "normal zone" as a number that corresponds to Celsius: a number between 35.9 to 37.6 indicates "normal"; a number smaller than 35.9 indicates possible low temperature; a number bigger than 37.6 indicates possible high temperature