

User Manual

Cyclo 300/310/500 series

The best
EXPERIENCE
in bicycle
navigation

Welcome

Thank you for purchasing this Mio. Please read this manual carefully before using your Mio for the first time. Keep this manual in a safe place and use as your first point of reference.

Important information for using the manual

It is important to understand the terms and typographical conventions used in this manual.

Bold — Components or items displayed on screen, including buttons, headings, field names and options.

Italics — Indicates the name of a screen.

Disclaimer

Not all models are available in all regions.

Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.

Mio operates a policy of ongoing development. Mio reserves the right to make changes and improvements to any of the products described in this document without prior notice. Mio does not warrant that this document is error-free. The screenshots and other presentations shown in this manual may differ from the actual screens and presentations generated by the actual product. All such differences are minor and the actual product will deliver the described functionality as presented in this User Manual in all material respects.

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Knowing your device

Main unit

Cyclo 300/305



- POWER button
 Turns your device on/off.
- 2. Touch screen
 - Displays the output of your device.
 - Tap the screen with your finger to select menu commands or enter information.
- Mini-USB connector Connects to the charger or USB cable.
- 4. Bike mount socket

 For the device mount

Cyclo 310/315/500/505



- Charge Indicator

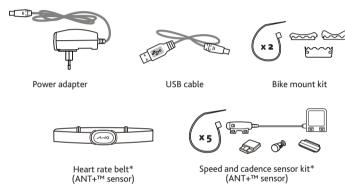
 Indicator the level of
 - Indicates the level of internal battery charge: Green - battery full; Orange - battery charging.
- POWER button Turns your device on/off.
- 3. Touch screen
- Displays the output of your device.
 - Tap the screen with your finger to select menu commands or enter information.
- Mini-USB connector
 Connects to the charger or USB cable.
- 5. Bike mount socket

For the device mount.

Accessories

Your device comes with the following accessories. To use your device on a bike, ensure you use the specific bike mount kit that came with your device. Mio may provide optional accessories for specific models. Please visit Mio website (www.mio.com) for information.

Note: Depending on the specific model purchased, the colour and look of your device and accessories may not exactly match the graphics shown in this document.



^{*} May be sold separately and used for Cyclo 305/315/505 only.

Information:

This device is ANT+ certified. Visit <u>www.thisisant.com/directory</u> for a list of compatible products and apps.

Getting started

Charging the battery

Your device has an internal battery that may not be fully charged when you purchase it. You should charge the battery for at least 8 hours before you start using it for the very first time.

To charge the battery:

Using a mains power socket
 Plug the home charger cable into the USB connector on the back of your device and the mains power charger into the power socket.



· Via the computer

Connect your device to the computer by using the provided USB cable. For more information, see "Connecting your device to the computer" in this section.



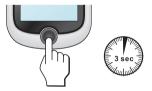
CAUTION:

For optimal performance of the lithium battery, note the following:

- Do not charge the battery where the temperature is high (e.g. in direct sunlight).
 The battery will stop charging when the ambient temperature is less than -10°C (14°F) or more than 60°C (140°F).
- Recharge the battery when it is nearly discharged. When recharging, make sure that the battery is fully charged. Doing so can extend the battery life.
- If you will not use the product for a long period of time (over one month) or find the discharge/recharge time has been shortened, be sure to fully discharge the battery first before recharging it. You are also advised to fully discharge and recharge the battery once every 1–2 months.
- Failure to follow the battery usage instructions could cause damage to your device, battery and even bodily injury or property damage and will void the warranty.

Performing the initial start-up

- Mount the device and accessories on to your bike. For more information, see the "Installing the device" section.
- 2. Press and hold the POWER button for 3 seconds to turn your device on.



- 3. Follow the prompts to personalise your device, including:
 - · Select your preferred language.
 - · Set the date and time.
 - · Set the units format.
 - · Create your user profile.

Note: You can change these settings while using the device by tapping Main menu > Settings.

- 4. Activate the map.
 - Enter the Startup Key (which is printed on the bottom of the box) and then tap **OK** to unlock your device. You will only have to do this the first time you use the device.
- 5. Once your device is turned on, it will search for satellite signals automatically. This may take several seconds depending on the location.
 - When GPS is fixed, the GPS signal icon (1) on the screen indicates the GPS status.

Note: Depending on your device model, it will also automatically scan and pair the accessories (for heart rate monitor and cadence/speed sensor only) with the device. You can also scan the accessories manually while using the device by tapping Main menu > Settings > Sensors.

Connecting your device to the computer

- 1. Turn on the computer.
- Turn on your device. Connect the mini-USB end of the USB cable to the back of your device and the other end to a USB port on your computer.
- 3. Select the desired connection type from the pop-up message window:
 - Connect to PC: Your device will be recognised as two external massstorage drives: Mio_system and Mio_data. You can use Windows File Explorer to copy/move the files from the computer to your device. A USB Connection screen appears to prevent you from using your device.
 - **DO NOT delete any files that are pre-installed on the device.** Deleting the files can cause the device to crash. Mio is not responsible for product quality caused by file deletion.
 - Charge only: You will be able to continue using your device with the battery in charging mode via the computer.

Installing the device

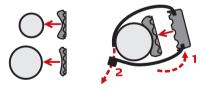
Follow the instructions in this section to mount the device and the cadence/ speed sensor kit (for selected models only) on your bike. In addition, you will need to put on the heart rate monitor during your workouts.

Mounting the device on your bike

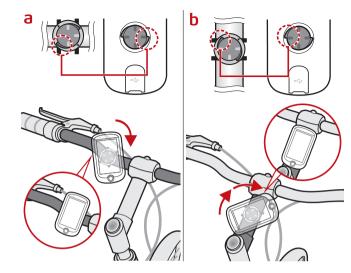
The bike mount kit includes two types of rubber pads, allowing you to attach the bike mount to your bike securely.



1. Select the rubber pad that best fits the handle bars on your bike and then attach it using the two plastic straps.



2. Align the latch on the back of the device with the slot on the bike mount, and then rotate the device clockwise to lock the device to the bike mount. You can choose to mount the device on the handlebar (a) or on the stem (b). See the following figure for the examples of mounting the device.

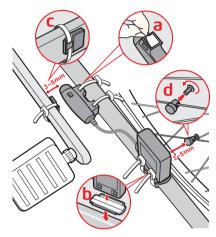


3. To remove the device from the bike mount, rotate it anticlockwise.

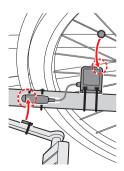
Installing the sensors on your bike

The cadence/speed sensor kit is used for selected models only.

 Follow the instruction below to install the cadence/speed sensor kit on your bike.



2. Ensure that the magnets are aligned with the sensing area on the sensors.



3. When done, you can manually pair the sensor with your device by tapping Main menu > Settings > Sensors > Cadence/Speed.

Information:

The cadence sensor contains a replaceable CR2032 battery. Follow the instructions below to replace the battery:

- 1. Locate the battery cover on the back of the sensor, and then twist the cover anticlockwise (e.g. by using a coin) to remove the cover and battery.
- 2. Insert the new battery into the battery chamber and replace the cover.
- 3. Twist the cover clockwise (e.g. by using a coin) to close the cover.

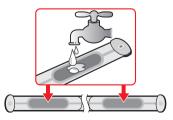


Putting on the heart rate monitor

The heart rate monitor is used for selected models only.

Note: Please note the heart rate monitor is not a medical device and its readings are not a substitute for obtaining measurements that require medical precision. It is strongly recommended to consult a doctor if you have a pacemaker or other implemented devices before using the heart rate monitor.

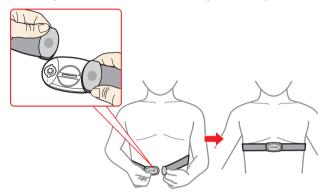
1. Before using the heart rate monitor, wet the contacts on the back of the chest strap.



Note: If possible, you can also use an electrolyte gel (usually available in local sports stores) to ensure good contact.

- 2. Adjust the elastic strap so it's snug while you are putting it on. Ensure that you can take a good deep breath after putting on the strap.
- **3.** Follow the instructions below to wrap the strap around your back, and then secure it on the other side with the buckle.

Note: Putting on the heart rate monitor is like wearing a belt around your lower chest.



4. When done, you can manually pair the monitor with your device by tapping Main menu > Settings > Sensors > Heart rate.

Information:

The heart rate monitor contains a replaceable CR2032 battery. Follow the instructions below to replace the battery:

- 1. Locate the battery cover on the back of the monitor, and then twist the cover anticlockwise (e.g. by using a coin) to remove the cover and battery.
- 2. Insert the new battery into the battery chamber and replace the cover.
- 3. Twist the cover clockwise (e.g. by using a coin) to close the cover.



Operating basics

Using the POWER button

Turning on the device
 Press and hold the POWER button for 3 seconds to turn on your device.



Turning off the device

Press and hold the POWER button for 3 seconds to pop up the *Power Off/ Cancel* screen. Choose **Power Off** to turn off the device or **Cancel** to continue operating the device.



 $\textbf{Note:} \ \text{Press and hold the POWER button for 5 seconds to force power off if application doesn't have response.}$

Your device will automatically turn off after 10 minutes (by default) of inactivity. The *Power Off/Cancel* screen will pop up and the device will be turned off if you do not make a selection.

Note: You can change the auto power off setting by tapping Main menu > Settings > Screen > Auto Power Off Timer.

· Navigating through the screens

While the device is turned on and you are navigating through the menu screens, press the POWER button briefly to return to the previous screen.

Using the touch screen

To operate your device, touch the screen with your finger. You can perform the following actions:

Tap

Quick touch the screen once to open menus or select onscreen button/option.

Drag

While navigating on the map, tap and hold on the screen without releasing your finger to move the map to the desired position.

Slide

Depending on your model, drag your finger vertically or horizontally across the screen.

- Drag to the left/right to switch to another menu screen.
- Drag to the top/bottom to scroll up/down a list.

Note: Not all slide gestures are applicable to all screens.



Unlocking the screen

Your device will automatically lock the screen after 5 minutes (by default*) of inactivity. When the screen is locked, press the POWER button briefly to unlock the screen.

Note: You can change the screen lock setting by tapping Main menu > Settings > Screen > Screen Lock Timer.

Main menu

The Main menu is your starting place for various tasks, providing quick access to applications and settings. Tap a button to start a task or open another menu.



- The Dashboard displays the view of functions, including the compass/navigation screen and the workout screen (when a workout has been selected).
- Start to plan your route by selecting the locations, such as home, address, tracks, POI, coordinate, favourite, etc.
- Your trip/training can be saved in the history records. When your ride is finished, you can check the history data such as date/time, distance, speed, altitude, etc.
- Pased on distance or time, the device will plan 3 routes for you to choose from.
- You can set workouts by entering your goals, such as by distance, by time, or by calories.
- There are various customisation options available to enhance your cycling experience. You can customise the system settings, user profiles and more.
- For Cyclo 500/505, when a phone is connected, you may control the music playback of your smartphone from your Cyclo device.
- For Cyclo 500/505, when a phone is connected, you will be notified of missed calls and new text messages of your smartphone from your Cyclo device.

The System icons

Various System icons on the title bar at the top of the screen provide the status information of your device. Depending on your settings, the icons may be different to provide various information of your device. Please note that these icons will not be always displayed during your trip/training.



NO.	Icon	Description	
1	Time display	Displays the current time.	
		The device will automatically set the correct time based on the current GPS fixes.	
2	User profile	Ab / Ab : Bike (city bike/mountain bike/race bike) navigation mode enabled.	
		: Running navigation mode enabled.	
		: Indoor training mode* enabled (navigating function of the device will be disabled).	
3	Heart rate*	Depending on your model, the icon will display when the sensor is paired with the device.	
4	Cadence/Speed*	: The icon is not displayed when not activated in the Sensors setting.	
5	Power sensor*/**	/ Mary / Mary / Image: The icon is greyed out when activated,	
6	Di2 sensor*/**	but not paired with the device. V V V V V V V V V	
7	Bluetooth status*	When the Bluetooth function is enabled:	
		No phone is connected. The icon flashes when a connection is being made.	
		: A phone is connected.	
		: A call is in progress.	
		There are missed calls or new text messages on the connected phone.	

NO.	Icon	Description	
8	Recording status	: The device is recording your trip/training.	
		: Recording has been paused.	
9	GPS signal	The GPS signal icon indicates the GPS status.	
		A bar shows the strength of the GPS signal being received; the more bars the stronger the signal.	
10	Battery status	The Battery icon indicates the remaining battery power.	

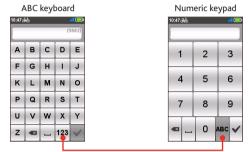
^{*} For selected models only

^{**} Not provided

Keyboard screen

The Keyboard screen will display when you are required to enter text, such as when searching for a street name. Search results will be listed in matching order, with the closest matches appearing on the screen. The Keyboard screen can display with various layouts depending on the information you need to enter.

Example: entering the street name while searching for an address



Tap to switch between the ABC keyboard and Numeric keypad.

How do I enter characters/numbers?

• Tap the keys to enter letters or numbers.

The keyboard features the "Predictive text" technology that allows addresses to be searched easily and quickly. As you enter a letter of an address, your device will compare all possible combinations against the maps.

- Tap
 to delete the character.
- When done, tap 🗸 .

Changing the keyboard layout

The device supports Russian, Bulgarian, and Greek keyboard for local users. You can enable (or disable) the desired keyboard from Main menu > Settings > Keyboard.

Viewing Dashboard screens

Note: The screenshots and other presentations shown in the following sections may differ from the actual screens and presentations generated by the actual product.

The Dashboard provides the extended screens that can be used to assist you in your travels, trainings, and workouts. The layout of the dashboard screens can be customised to display the information (e.g. speed, distance, time, calories, etc.) you want to know.

Depending on your device model, certain information may not be available on the Dashboard screens. To learn how to customise the Dashboard screens, see "Dashboard" in the "Customising your device" section.

- To access the Dashboard, tap of from the Main menu screen.
- The Dashboard function is made of screens placed next to each other: information 1 & 2, elevation, navigation/compass, and workout (when started) screens.

Depending on your model, slide the screen to the left or right using your finger or tap 4 / b to change between the Dashboard screens.

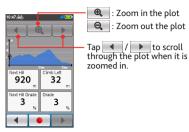


 When the navigation/workout is in progress, you can record the data by tapping

Note: When you are recording the route, the recorded track will be displayed as red on the map.

During recording, you can stop/pause it by tapping ••• and then selecting the **Stop/Pause** option when prompted; otherwise, select **Cancel** to continue recording.

 On the Elevation screen, the device will analyse the route and display it as the elevation plot. Use the buttons upon the plot to zoom in/out and scroll through the plot.



Elevation screen

• From the *Navigation* screen, you will be directed to your destination by visual instructions. The *Compass* screen is displayed only when navigation has stopped to indicate your direction.



Note: Tap on the Navigation/Compass screen briefly to display the onscreen buttons.

• Tap + / - to zoom in/out the map.

You can navigate the map anywhere by dragging and then moving the map. While
navigating the map, tap at to display your current position on the centre of the map.

Tap anywhere on the *Navigation* screen to display more buttons.

• Tap 🗱 to stop navigation.

• Tap 5 to avoid a certain distance of route ahead.

Starting navigation

Using the Navigate wizard

Your device is equipped with maps that provide street-level detail for navigation, including POIs (Point of Interest) such as bike stores, restaurants, points of emergency, and more. The Navigate wizard allows you to search the location easily.



By using the Navigate wizard, there are several ways to select your destination. For example, you can tap the **Address** button to find the location by searching for an address

- 1. To access the Navigate wizard, tap from the Main menu screen.
- Slide the screen to the left or right using your finger or tap to scroll through the Navigate wizard screens and select the desired navigation function.
- 3. When searching is complete, the *Searching Result* screen displays the information of the route (e.g. the total distance, elevation plot, and more).



Searching Result screen

- 4. From the Searching Result screen, you can do one of the following:
 - · Tap GO to start navigating.
 - Tap 🛊 and then tap Yes when prompted. The location has been added to Favourite.
 - Tap 🖂 to display the route to the destination.
 - Tap (a) / (a) to zoom in/out the elevation plot. Tap the Left/Right button to scroll through the plot when it is zoomed in.
 - Judge the difficulty level of the route by the icon:

asv

△ △ · difficult

△ △ △ · moderate

△ · very difficult

• Select the Car navigation mode () to plan your route.

Note: The Car navigation mode will only change the route by using roads appropriate for a car (e.g. the motorways or highways); it will not provide additional information for driving such as traffic status and speed limits.

Navigating to Home

Setting up your Home location

If you have not set an address as Home, the first time you try to navigate to Home you will be prompted to search for an address using the Home setup wizard.

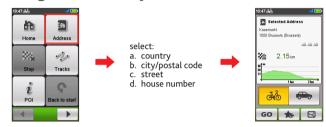


Once your home location has been set on the device, simply tap GO on the screen and you will be directed to Home quickly.

Editing the Home location

- 1. On the Home Address screen, tap ...
- 2. You can change the home location by searching for an address, POI, a location on map or a GPS coordinate.
- 3. When done, tap GO to return to the Home Address screen.

Finding the location by Address



Searching for a POI

POI (Point of Interest) is a named site, feature, landmark or public venue which can be displayed as an icon on the map. POIs are grouped by category, such as bike stores, restaurants, shopping centres, and more.



- 1. Tap the Nearby button and then select Nearby or City:
- Nearby: Search for the POIs around your current position.
- · City: Search for the POIs in the selected city.
- 2. Find a POI by:
 - · keyword
 - category
 - · emergency/bike store/food and

Note: The POI(s) that you have searched previously will be displayed when you tap i from the Navigate screen. Simply tap the searched POI or tap New to find the other POIs.

Searching for a location from the map screen

You can set the destination simply by pointing to it on the map screen.



Searching for a location using GPS coordinates

You can manually input the coordinates of your target destination. Tap the **Latitude** and **Longitude** fields to enter the coordinates of the location.



Notes:

- Tap the Coordinate format option to change the input method for the Latitude/ Longitude coordinate.
- Tap N/S to change between North and South; tap E/W to change between East and West.

Navigating to your Favourite

Favourite has all your saved locations.

- Tap Favourite on the Navigate screen and the device will display a list of your previously saved destinations.
- 2. Slide the screen up and down using your finger or tap \(\bigs_1 \) to display more entries (if available) in the list.



Note: Tap the Sort by button at the bottom of the screen to change the sorting order of the entries: \bigcirc : by time; \bigcirc by time; \bigcirc by time; \bigcirc by name

Tracks

Tracks are the recorded routes that give the best experience for cycling provided by other users and official institutes. If there is no track downloaded, you can download tracks from MioShare at: http://mioshare.com

- Tap Tracks on the Navigate screen and then you can navigate and choose from individual tracks downloaded to your device.
- Slide the screen to the left or right using your finger or tap / b to display more information of the track.
- Select the Nearby mode () to navigate to the nearest point of your track, or Back-to-Start mode () to navigate to the starting point of your track. Tap GO to start navigating.



Note: Tap the Sort by button at the bottom of the screen to change the sorting order of the entries: $A \rightarrow Z$ / $Z \rightarrow A$: by name; \bigcirc : distance from the current location; \bigcirc : by distance.

Information:

GPX (GPS eXchange Format) is a XML data format that allows you to transfer GPS data (including waypoints, routes, and tracks) between your device and the computer. If you have downloaded a gpx file from a third party website, you can install this file to your device. While using your device, the recordings will be saved as the gpx files on the device. You can also retrieve the recordings from your device to the computer and then share them on the website.

To transfer gpx files between your device and the computer:

- 1. Ensure the track you have downloaded from the website is saved as a gpx file on the computer.
- 2. Turn on your device and then connect it to the computer. When prompted, select the Connect to PC option. Once connected, you can find two external mass-storage drives on the computer: Mio_system and Mio_data.
- 3. Do one of the following:
 - To install the track to your device, copy/paste the gpx file to Mio_data > Dodge > Tracks.
 - To retrieve the recording from your device, copy/paste the gpx file from Mio_data > Dodge > Tracks > Profile(user folder).

For more information about uploading/downloading tracks, visit: http://mioshare.com

Other navigating options

Going back to start

Note: This feature is only available when the recording is in progress.

The **Back to start** function enables the device to navigate you back to the starting point after you have reached the destination or completed your ride.



In the Navigation mode field, you can:

- Select the Bike navigation mode () or Car navigation mode () to plan your route.
- Select the Fastest mode (o) to navigate you there in the fastest way possible, or Backtracking mode (o) to guide you back the way you came.

Adding a waypoint to your trip

One waypoint is allowed for your trip. Use the Navigate wizard to select a location as the waypoint (or as the new destination).



Stopping navigation

To stop navigation for your ride, tap to on the Navigate screen.



Surprise Me™

The device features the Surprise Me^{TM} function that will offer you up to three exciting routes around your location. If you've already taken a route from the same location, the device will try to propose you different routes, based on the possible and available roads around your current location. This way you will always be offered different routes to choose.

Tap from the Main menu screen and then you can plan the routes randomly by selecting the following five functions: Loop, Address, POI, Favourite, and Point on map.



When you choose any of the Surprise Me functions to plan the routes, you can:

- Generate the route by **Distance** mode (o) or **Time** mode (o).
- Assign the desired amount of distance/time to ride in the Distance/Time field.

While generating the routes using **Time** mode, you can set the estimated average speed of your trip in the **Average Speed** field. The device will calculate the estimated distance of it

 On the Searching Result screen, select one route (by colour buttons) and then tap GO to start navigating.

To view the general information of the generated routes, tap 🕰 .

Loop

The device will generate the routes from your current location and the start/end point will be the same as your current location.



A to B (Address, POI, Favourite, or Point on map)

The device will generate the routes from your current location to the following destination type: Address, POI, Favourite, or Point on map.

Choose one of the above functions and then complete the searching through the Navigate wizard.

Address



POI



Favourite



Point on map



Workout mode

Cycling is a good aerobic fitness exercise that helps you to burn your calories, lose weight and increase your overall fitness. Workout mode of the device allows you to set workouts by entering your goals (Distance, Time, Calories) or conditions (HR Zone, Power Zone).



When you start a workout, you can monitor the workout status through the Dashboard screens. The device will notify you when you've reached your target.

Workout by Distance

Workout by Distance is the perfect tool if you want to set how long the workout session should be exactly.

- 1. Tap from the Main menu screen and then select the **Distance** option.
- 2. Complete the following:



- In the Distance field, set the desired distance to go.
- In the Speed field, set the estimated average speed of your trip to calculate the estimated time of it.
- Enable or disable Surprise Me.

Note: For more information about Surprise Me, see the "Surprise Me" section.

3. Tap GO to start your workout. To stop, tap Stop from the Workout screen.

Workout by Time

Workout by Time is the perfect tool if you want to set how much time you would like to spend on the workout.

- 1. Tap if from the Main menu screen and then select the Time option.
- 2. Complete the following:



- In the Time field, set the desired time to go.
- In the Speed field, set the estimated average speed of your trip to calculate the estimated distance of it.
- Enable or disable Surprise Me.

Note: For more information about Surprise Me, see the "Surprise Me" section.

3. Tap **GO** to start your workout. To stop, tap **Stop** from the *Workout* screen.

Workout by Calories

Workout by Calories allows you to set the amount of calories you want to burn during the workout.

- 1. Tap from the *Main menu* screen and then select the **Calories** option.
- In the Calories field, set the desired amount of calories to burn in the workout.



3. Tap GO to start your workout. To stop, tap Stop from the Workout screen.

Workout by HR Zone

Workout by HR Zone is available for selected models only. Connect the heart rate monitor to the device before you start this workout.

- 1. Tap from the Main menu screen and then select the HR Zone option.
- 2. Complete the following:



- In the Zone field, select the proper heart rate range for the workout. The default setting is Zone 2 (121 -138 BPM).
- Select Time mode () or Distance mode ().
 The route will be generated according to your selection.
- Enable or disable Surprise Me.
 Note: For more information about Surprise Me, see the "Surprise Me" section.
- **3**. Tap **GO** to start your workout. To stop, tap **Stop** from the *Workout* screen.

Workout by Power Zone

Workout by Power Zone is available for selected models only. Connect the power meter (not provided) to the device before you start this workout.

- 1. Tap from the Main menu screen and then select the Power Zone option.
- 2. Complete the following:



- In the Zone field, select the proper power range for the workout. The default setting is Zone 2 (166 - 225 W).
- Select Time mode () or Distance mode ().
 The route will be generated according to your selection.
- Enable or disable Surprise Me.

Note: For more information about Surprise Me, see the "Surprise Me" section.

3. Tap GO to start your workout. To stop, tap Stop from the Workout screen.

Indoor training mode

Indoor training mode is available for selected models only. Connect the speed & cadence/heart rate/power sensors to the device before you start indoor training.

 Create the Indoor profile from Main menu > Settings > Profiles > Create new profile.





- 2. When done, tap
- 3. The si icon will appear on the title bar indicating the Indoor training mode has been enabled.

Note: Once you enable the Indoor training mode, the routing/navigating function of the device (including **Navigate** and **Surprise Me**) will be disabled.

Viewing the History

Your device will automatically save the history as the timer starts. Information in History includes date, time, distance, average speed, cadence*, heart rate*, altitude, and more.

* For selected models only.



- To view the history data, tap to from the Main menu screen and then select an entry from the list.
- Slide the screen to the left or right using your finger or tap \(\bullet \) to view details of the trip (or training).
- · Tap GO to start navigating.

Viewing the summary of recorded data

On the *History* screen, tap the **Summary** button to view statistics about the recorded data* over a defined period of time based on the user profile.

- *The displayed items include: Total Distance, Total Calories, Total Ascent, Average Heart Rate, Average Active Speed, and Active Time. However, depending on your Mio model, certain items may not be available.
- Change the filter option by tapping All Recordings or Odometer.
 Note: When the Odometer is selected, it displays all the training data existing on the device even if the recording is not used.
- Tap the following button to decide what data to summarise: Totals, Year, Month, Week, or Day.

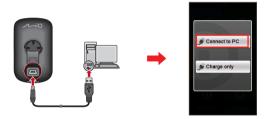
Managing data on the device

Using MioShare

Your device comes with a PC utility, MioShare, which allows you to register your device, update software and maps, share experience, and more.

Note: Make sure you have an active Internet connection for this feature.

- 1. Turn on the computer.
- Turn on your device and then connect it to the computer. When prompted, select the Connect to PC option.



- 3. Find the setup file "MioShare_Setup.exe" under Mio_system.

 Note: You can download MioShare Setup.exe from: http://mioshare.com/
- **4.** Double-click the setup file and then follow the prompts to complete the installation.
- After installation, the Mio Cyclo icon () will appear in the Windows system tray.
- 6. To update software, back up or restore your Cyclo device, right-click on the Mio Cyclo icon and then select the desired option from the pop-up menu.

To upload or download tracks, go to MioShare website (http://mioshare.com) and create your MioShare account. By signing in your account, you can upload the saved tracks on your device to your MioShare account and download the available tracks on the MioShare to your device.

Note: Do not disconnect your device from the computer while transferring data.

Sharing your experience on the Internet

By using MioShare, you can easily share your experiences with other cyclists around the world through the Internet when your device is connected to the computer. For more information, visit: http://mioshare.com/

Sharing your route with friends in the trip

Note: For selected models only.

Your device features ANT-FS (ANT File Share) technology for exchanging data records (between the Cyclo devices within RF range), bypassing the need for cables.

To transfer your route:

- 1. Plan your route on the device.
- You can go to Main menu > Settings > Transfer and directly tap Send.Or you can enable the Shake &Share function first. To send a route to a

friend, simply shake your device up and down, and then select **Send** on the pop-up message window.

Note: The Shake & Share function of the device is disabled by default.



Note: You can also join your friend's route by tapping Receive when invited.

Using WIFI (wireless local area network)

Note: This feature is not available on all models.

You can synchronise data (e.g. upload recordings and download saved tracks) with MioShare by accessing the Internet through WIFI. WIFI allows your device to connect to the Internet through a wireless connection. To use WIFI on your device, you need access to a wireless access point.

- 1. Enable the WIFI function from Main menu > Settings > WIFI Sync.
 - Note: The WIFI function of the device is disabled by default.
- 2. The device will automatically scan for available wireless networks. The network names and security settings (public network or secured with WEP/ WPA-PSK/WPA2-PSK) of the detected wireless networks will be displayed on the WIFI settings screen.



- 3. From the available networks list, tap a wireless network to connect.
 - If you select a public network, tap directly to start connecting.
- If you select a network that is secured with WEP/WPA-PSK/WPA2-PSK, enter the password and then tap





Notes:

- On the WIFI settings screen, tap Refresh to search the networks again.
- You can add a network manually by tapping Add Network on the WIFI settings screen. Enter the network name and complete the security setting, and then tap to connect to the network.
- **4.** When your device is connected to a wireless network, it starts to synchronise data with MioShare automatically.

Please note that you need to register your device on MioShare before using WIFI to synchronise data.

Note: You may see the landing page shown on the browser during connecting. Follow the onscreen instruction to login and synchronise data.

5. When done, the sync result will be displayed on the message window.

Tap **OK** to return to the *WIFI* settings screen. The WIFI connection will be disconnected automatically.



6. The next time when you enable WIFI function, it will connect to a previously accessed network automatically. You will not be prompted to enter the password (if needed) again unless you (i) tap on the network and then tap Forget this Network; or (ii) reset the device to its factory default settings.

Pairing with your smartphone

Note: This feature is not available on all models.

Depending on your model, your Cyclo device can be connected with iPhone or Android phones.

Note: The compatible phone types include: iPhone 4 or above and Android 2.3 to Android 4.4.

Note: For Android phone users, the CycloSmart application is required for your Cyclo device to communicate with your Android phone. The application is available on Google Play.

- Enable the Bluetooth function on your Cyclo device from Main menu > Settings > Phone and tap Pair with New Phone.
- 2. You can do one of the following on your smartphone for your Cyclo device to communicate with your phone.
 - For iPhone, turn on the Bluetooth function in the iPhone settings and select the Cyclo device from a list of Bluetooth devices.
 - For Android phones, open CycloSmart and tap Start Pairing.



Receiving incoming calls

By default, you will be notified with a notification and a sound when there is an incoming call. The caller's information will display on the screen if it is saved in your phonebook.

- Tap Answer to receive or Ignore to reject the call.
- To adjust the volume, tap and (for Android phones only).

- To return to the previous screen, tap | to minimize the screen.
- To end the call, tap ______.



Receiving text messages

Note: For iPhone users, you need to turn on the "Show notifications" in the Bluetooth Settings in order to receive the text messages on your Cyclo device.

By default, you will be notified with a notification and a sound when there is a text message. The sender's name will display on the screen if it is saved in your phonebook.

• To view the message, tap **View Details**. To call the message sender, tap





• To return to the previous screen, tap OK.

Playing music

When a connection is made, tap on the *Main Menu* to open the music application.

Depending on your smartphone, tap a song and then to open the playback screen.

Use the on-screen icons to control the playback, switch songs or adjust the volume (for Android phones only).



Voice Instructions

By pairing your Cyclo device with an Android phone and a Bluetooth headphone, you can receive the audio guidances and the beep alert from the Bluetooth headphone when you start the navigation.

Note: This feature is only available for Android phones.

Customising your device

Note: Depending on your Mio model, certain setting options may not be available.

There are various customisation options available to enhance your navigation and cycling experience. With the Settings menu, you will be able to customise your device such as the system settings, sensor settings, user profiles, map settings, and more.



- To access the Settings menu, tap from the *Main menu* screen.
- Slide the screen to the left or right using your finger or tap / b to scroll through the Settings menu screens.
- While changing the settings, the check mark () next to the option button indicates the setting status.



 When the settings have been changed, tap ______ at the bottom of the screen to complete and return to the previous screen.

Profiles



The Profile entry screen displays the existing profile(s).

- · You can set up to 6 profiles on the device.
- Tap Create new profile and enter the personal data (including Name, Birth date, Weight, Gender, and profile Type*) to create a new profile entry.
 - * You can select the profile Type as City bike, Mountain bike, Race bike, Running, or Indoor. The system will create different routes depending on the profile type (not including Indoor). For example, Mountain bike will use unpaved routes which will be avoided by using Race bike.
- Select an existing profile entry and then do one of the following:
 - Tap to edit the name of the entry.
 - Tap to delete the entry.

Routing



This setting allows you to set the routing preference by selecting **Prefer**, **Allow**, or **Try to avoid** in each route option.

- Tap to select the desired routing type: City bike, Race bike, Mountain bike, Car, or Running.
- The available options may be different depending on the selected routing type:

Routing type Options	City bike	Race bike	Mountain bike	Car	Running
Major roads	٧	٧	V		٧
Cycle routes	٧	٧	٧		
Unpaved roads	٧		٧	٧	٧
Cobblestone*	٧	٧	٧		٧
Highway				٧	
Ferries				٧	
Walking routes					V

^{*} For OSM only.

Dashboard



In the *Dashboard Layout Change* screen, you can change the layout of the following screens:

- Information screen 1 & 2
- Flevation screen
- Navigation
- Map screen
- Workout screen
- History screen
- Trainer screen

Note: The Mote: The mark next to the option indicates that the corresponding screen is displayed/hidden in the Dashboard screens.

To change the screen layout:

- 1. Tap the corresponding button in the *Dashboard Layout Change* screen.
- Tap the number displayed at the bottom of the screen indicates the data fields (e.g. speed, distance, time, calories, etc.) included in the target screen.
- 3. Tap the numeric button and then select from the available number of data fields to display.
- You can also change what data fields are displayed by tapping on each individual data field and then select the desired option in the list.



Sensors



This setting option is for selected models only. By default, the Cyclo device will automatically detect the sensors and enable the available sensor options.

You can manually tap the desired sensor option: Heart rate, Cadence/Speed, Power sensor or Shimano Di2 and the Cyclo device will start pairing for the sensor.

Once the connection is made, the \(\tilde{\text{LY}} \) / \(\tilde{\

Note: The next time you start pairing to a sensor, it will automatically pair to the last sensor paired. To connect to a new sensor, tap Pair new sensor.

Phone



Tap the **Phone** option to turn on and off the Bluetooth function of the device

For more information, see the "Pairing with your smartphone" section.

Note: For selected models only.

WIFI sync



Tap the **WIFI sync** option to turn on the WIFI function of the device.

For more information of using WIFI, see the "Using WIFI" section.

Note: For selected models only.

Where AM I



The Where AM I screen displays your current GPS position with the cooridnates info in map view. When tapping you can see the number of satellites, your current

position, and the strength of the signals.

For certain models, when the Cyclo device is paired with an Android phone, with a GPS fix, you can tap

Note: This feature is not available on iPhone.

the location message to your family or friend.

Tap to input a number or further tap to select a contact from your phonebook. To save a contact, tap

Screen



 Brightness: Drag the slider to the left to decrease the screen brightness or to the right to increase the screen brightness.

Note: You can also decrease/increase the screen brightness by tapping / +.

Note: To increase your battery life during a ride, ,make sure the screen brightness is turned down to reduce the battery consumption.

 Screen swipe: Tap the option to enable or disable the slide controls on the screen.

Note: This feature is for selected models only.

- Backlight Timer: Tap the option to select how long (from 15 seconds to Never) the display screen remains lit after you press the POWER button.
- Screen Lock Timer: Tap the option to select how long of inactivity (from 5 minutes to Never) will lock the device screen.
- Auto Power Off Timer: Tap the option to select how long of inactivity (from 10 minutes to Never) will turn off the device automatically.

Transfer



Tap **Send/Receive** to exchange route with friends and tap **Disable/Enable** to turn on and off the Shake & Share function.

For more information of using File Sharing, see the "Sharing your route with friends in the trip" section.

Note: For selected models only.

Shimano Dia



Note: For selected models only.

- Cassette model: Select the proper cassette model.
- Cassette type: Select the proper cassette type.

Note: Set the lower value first, then the higher value.

- Crankset type: Select the proper crankset type.
- · Battery status:
 - When the Di2 sensor is connected, the current battery level is displayed.
 - When the battery level is 50%, the value flashes.
 - When the battery level is 30% or lower, the value appears in red.

Maps



 Auto Zoom: Enable or disable automatic zooming during navigation.

If selected, the *Map* screen will automatically zoom in or out, depending on your speed, to allow optimal viewing of your route.

- Show Cities: Display or hide the current city name on the navigation/compass screen.
- Orientation: Enable or disable displaying North at the top of the map screen.
- Map scheme: Select the preferred map display style.
- Bike Map: Select the preferred set of maps to load: OSM (Open Street Map) or Tele Atlas.

Note: The Car navigation mode is always performed using Tele Atlas maps.

Alerts



- On screen tap: Enable or disable the feedback sound while tapping on the screen.
- Instructions: Enable or disable the sound while getting instructions.
- HR Zone Alerts: Enable or disable the alert sound by HR Zone during your workout.
- Power Zone Alerts: Enable or disable the alert sound by Power Zone during your workout.

Manage



This setting allows you to manage the recorded data on the device, including: History, Tracks, Favourites, Addresses. and POI.

To manage the data:

- 1. Tap the corresponding button in the Manage screen.
- 2. Select the desired entry and then do one of the following:
 - Tap to edit the name of the entry.
 - Tap _____ to delete the entry.

Define Zones



This setting option is for selected models only.

- Heart Rate Zones: Use Heart Rate Zones to target a specific heart rate and help you reach your training goals.
 - 1. In the **Define Zones** field, select **By Age** (BPM or %) or **Custom** (BPM or %).
 - By Age: The Maximum heart rate value will be calculated (BPM or %) by the system based on the data in your profile.

- **Custom**: You can input the **Maximum** heart rate value manually.
- Define the heart rate range in Zone 1 ~ 6 fields according to your personal training purpose.
 Otherwise, you can just keep the default settings:

Zone	Range (as % of Maximum)	Zone	Range (as % of Maximum)
1	60 ~ 65 %	4	83 ~ 89 %
2	66 ~ 75 %	5	90 ~ 94 %
3	76 ~ 82 %	6	95 ~ 100 %

- 3. When done, tap
- Power Zones: Setting the power zones will help you better understand how intense a workout might be.
 - 1. In the Define Zones field, select FTP from History or Custom (W or %).
 - FTP from History: The FTP (Functional Threshold Power) value will be calculated by the system based on the data in your training history.
 - **Custom:** You can input the **Maximum** power value manually.
 - Define the heart rate range in Zone 1 ~ 6 fields according to your personal training purpose.
 Otherwise, you can just keep the default settings:

Zone	Range (as % of FTP)	Zone	Range (as % of FTP)
1	< 55 %	4	91 ~ 105 %
2	56 ~ 75 %	5	106 ~ 120 %
3	76 ~ 90 %	6	> 121 %

3. When done, tap <

Note: Each zone has a different purpose and, generally speaking, the higher value of % means the harder of the workout.

Compass



Move away from the interference. Move the device in a light of pattern.

The Compass calibration function allows you to calibrate the built-in compass of the device.

To calibrate the compass:

- 1. Tap Enable.
- 2. Move away from any sources of interference such as microwave oven and magnetic devices.
- 3. Tap Start calibration.
- 4. Move the device by waving your arm in a figure ∞ pattern (as shown on the screen) for several seconds.
- 5. When done, the message "Compass calibration succeeded" will appear on the screen.

If you see the message "Compass calibration failed", redo the movement again until calibration succeeds.

Note: While using the built-in electronic compass, place the device away from the objects that generate magnetic fields, such as electric appliances, magnets or high-voltage tower. This might cause your device point to the wrong direction.

Language



You can select the preferred language displayed for the menus and other interface features while operating the device.

From the Language screen, tap on the language you want to use

Keyboard



The device provides Russian, Bulgarian, and Greek keyboard for local users.

• From the *Keyboard* screen, tap on the keyboard you want to use.

Date & Time



The device will display the date and time based on the current GPS location. The *Date & Time* screen lets you set the date/time format.

- Set Date format: Tap the button to select the displayed date format: Day/Month/Year, Month/ Day/Year, or Year/Month/Day.
- Set Time format: You can set the displayed time format as 12-hour or 24-hour by tapping the 24h or AM/PM button.

Units



The *Units* screen lets you select **Metric** or **Imperial** according with your preferences.

Product Info



The Product Info screen provides the general information of the device, including software and ROM versions, the End User License Agreement, and copyright information.

- You can reset the device to the factory default settings by tapping Back to factory. When you select the function, all of the recorded data on the device will be cleared.
- You can also just restore factory default settings by tapping Restore Default, allowing you to restore default settings but will not delete the recorded data.

For more information

Online support

For 24/7 help and support with Mio products, visit our Technical Support website at: www.mio.com

Caring for your Mio

Taking good care of your Mio will ensure trouble-free operation and reduce the risk of damage to your Mio:

- · Keep your Mio away from excessive moisture and extreme temperatures.
- Avoid exposing your Mio to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your Mio or drop objects on your Mio.
- · Do not drop your Mio or subject it to severe shock.
- Do not subject your Mio to sudden and severe temperature changes. This
 could cause moisture condensation inside the unit, which could damage
 your Mio. In the event of moisture condensation, allow your Mio to dry out
 completely before use.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your Mio when it is turned on. Use a soft, lint-free cloth to wipe the screen and the exterior of your Mio.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your Mio. Disassembly, modification or any attempt at repair could cause damage to your Mio and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your Mio, its parts or accessories.
- Do not expose your Mio to extreme heat or direct sunlight for prolonged periods. Overheating may damage your Mio.

About your heart rate monitor and accessories:

- Clean with a mild soap and water solution, dry with towel.
- Do not use alcohol or any abrasive material when cleaning the accessories.
- · Rinse the strap under running water.
- Do not expose the accessories to extreme heat or direct sunlight for prolonged periods.
- Store the accessories in a cool and dry place.
- The estimated average battery lifespan of the accessories is 2 years. If your accessory stops working, replace with a new battery.
- · Remove the battery from the accessories before long-term storage.

Troubleshooting

Problems	Solutions		
Your Mio does not turn on when using battery power.	The remaining battery power may be too low to run your Mio. Charge the battery.		
Screen responds slowly.	Make sure that your Mio is not running out of battery power. If the problem still persists, restart your Mio.		
Screen freezes.	Restart your Mio.		
Screen is hard to read.	Make sure that the backlight of the display is set to a high-enough brightness.		
Cannot establish a connection with a	Make sure that your Mio and your computer are both turned on before trying to establish a connection.		
computer.	Make sure that the cable is securely plugged into the USB port on your computer and on your Mio. Connect the USB cable directly to your computer — do not run the cable through a USB hub.		
	Restart your Mio before connecting the cable. Always disconnect your device before you restart your computer.		

Note: If you encounter a problem you cannot solve, contact an authorised service centre for assistance.

What is GPS?

The Global Positioning System (GPS) is available at any time, free of charge, and is accurate to within 5m (15ft). GPS navigation is made possible by a network of satellites that orbit the Earth at around 20,200km (12,552mi). Each satellite transmits a range of signals which are utilised by GPS receivers, such as your Mio, to determine an exact location. Although a GPS receiver can detect signals from up to 12 satellites at any time, only four signals are required to provide a position or "GPS fix" (latitude and longitude), for vehicle navigation systems.

Your Mio receives GPS signals via the internal GPS antenna. To guarantee the optimum GPS signal strength, ensure your Mio is outdoors, or in a vehicle outdoors, and has an unobstructed view of the sky. GPS reception is not usually affected by weather, however, very heavy rain or snow may have a negative effect on your reception.

CAUTION:

- It is your sole responsibility to place, secure and use your Mio in a manner that will not cause accidents, personal injury or property damage. Always observe safe driving practices.
- On main roads, the distance to an exit calculated by your Mio may be further than
 the distance shown on road signs. Road signs show the distance to the start of an exit
 while your Mio shows the distance to the next intersection, i.e., the end of the exit
 ramp or road. To prepare to exit a road, always follow distance information on road
 signs.
- Mio products are designed to be used as an aid to safer driving. Mio does not condone speeding or any other failure to comply with your local traffic laws. It is your responsibility to drive within the posted speed limit at all times and to drive in a careful manner. Mio accepts NO liability whatsoever for you receiving any speeding fines or points on your license through using this device. Mio does not guarantee the accuracy of the data contained within this database either expressed or implied. In the event you receive a fine or any other penalty for speeding or contravention of any traffic law, or are involved in an accident, Mio is not responsible for any damages of any type. In some countries the data information regarding speed limits may conflict with local law and/or regulations. It is your responsibility to make sure that your use of the data is in compliance with local laws and/or regulations. Usage is at your own risk.
- Do not operate the device while driving or riding a bike. Using this product does not change the requirement for a driver or a bike rider to take full responsibility for his or her behaviour. This responsibility includes observing all traffic rules and regulations in order to avoid accidents, personal injury or property damage.

IPX₇

The IEC 60529/IPX7 is a European system of test specification standards for classifying the degrees of protection provided by the enclosures of electrical equipment. An IPX7 designation means that the unit withstands immersion in one meter (approx 3ft) of still water for up to 30 minutes. Mio guarantees this grade provided the battery door and all jack covers are properly and securely closed. Mio Cyclo is not IPX8 grade; water-pressure such as washing the unit with running water may cause damage to the unit and voids warranty.

Safety precautions

· About charging

- Use only the charger supplied with your device. Use of another type of charger will result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with "LPS", "Limited Power Source" and output rated + 5 V dc / 1.0 A".
- · Use a specified battery in the equipment.

· About the charger

- Do not use the charger in a high moisture environment. Never touch the charger when your hands or feet are wet.
- Allow adequate ventilation around the charger when using it to operate
 the device or charge the battery. Do not cover the charger with paper or
 other objects that will reduce cooling. Do not use the charger while it is
 inside a carrying case.
- Connect the charger to a proper power source. The voltage requirements are found on the product case and/or packaging.
- · Do not use the charger if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside.
 Replace the unit if it is damaged or exposed to excess moisture.

About the battery

• Use a specified battery in the equipment.

CAUTION: This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

- · Important instructions (for service personnel only)
- Caution: Risk of explosion if battery is replaced by an incorrect type.
 Dispose of used batteries according to the instructions.
- Replace only with the same or equivalent type recommended by the manufacturer.
- The battery must be recycled or disposed of properly.
- Use the battery only in the specified equipment.

Regulatory information

For regulatory identification purposes, Mio Cyclo 310/315/500/505 is assigned a model number of N429 and Mio Cyclo 300/305 a model number of N402.

Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this section. Some notices apply to specific models only.



Products with the CE marking comply with Radio & Telecommunication
Terminal Equipment Directive (R&TTE) (1999/5/EC), the Electromagnetic
Compatibility Directive (2004/108/EC) and the Low Voltage Directive
(2006/95/EC) - issued by the Commission of the European Community.
Compliance with these directives implies conformity to the following European
Standards:

EN 300 440-1/-2(ANT+): Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods/ Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive.

EN 301 489-1: Electronic compatibility and Radio spectrum Matters (ERM), Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

EN 301 489-3(ANT+): Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz.

EN 301 489-17: Electronic compatibility and Radio spectrum Matters (ERM), Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

EN 300 328: (Bluetooth) Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 55022: Radio disturbance characteristics

EN 55024: Immunity characteristics

EN 61000-3-2: Limits for harmonic current emissions

EN 61000-3-3: Limitation of voltage fluctuation and flicker in low-voltage supply system

EN 62209-2(SAR): Human exposure to radio frequency fields from handheld and bodymounted wireless communication devices. Human models, instrumentation, and procedures. Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz).

IEC 60950-1:2005: Product Safety

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

Declaration of Conformity

Hereby, MiTAC declares that this N402/N429 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Bluetooth



Bluetooth QD ID B021873

WEEE



This product must not be disposed of as normal household waste, in accordance with the EU directive for waste electrical and electronic equipment (WEEE - 2002/96/EC). Instead, it should be disposed of by returning it to the point of sale, or to a municipal recycling collection point.

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