# ML935 User Manual V2.0

Learn how to set up your new MiCODUS Tracker

# 1. Main Features

**2G Quad Band**

**GPS+LBS Dual Positioning**

**Real-time Tracking**

**Historical Route Playback**

**3000mAh Backup Battery**

**Waterproof IP65**

**Voice Monitor**

**Geo-fence**

**Free Tracking Platform**

# 2.Specifications

| Device Information | Model | ML935 |
|---|---|---|
| | Weight | 116g |
| | Dimensions | 94mm(L) * 46mm(W) * 31mm(H) |
| | Charging Time | Around 7 hours |
| | Battery Working Time | Tracking Mode, 1 minutes' reporting: 7-15 days |
| Working Parameters | Working Voltage | DC 3.4V - 4.5V |
| | Working Current | 4V/Average 45mA |
| | Sleep Current | 4V/less than 5mA |
| | Battery Capacity | 3.7V 3000mAh Lion Polymer Battery |
| | Working Temperature | -20℃ - 75℃ |
| | Working Humidity | 10%-85%RH non-condensing |
| Cellular Specifications | Working Frequency | 2G GSM/GPRS: 850/900/1800/1900MHz |
| | SIM Card | Normal SIM Card |
| | Cellular Antenna | Built-in |
| GNSS Specifications | Positioning Type | GPS+LBS+GPRS |
| | GPS Antenna | Built-in |
| | Cold Start | ≤32 Seconds |
| | Hot Start | ≤1 Second |
| | Tracking Sensitivity | -162 dBm |
| | GPS Channels | 64 |
| | Position Accuracy | 5-10m |

## 3.Product Structure



- Charged led
- GPS led
- GPRS led
- MIC
- Lanyard hole
- SIM card slot
- USB port

46mm
94mm
31mm

## 4.How to manage the tracker to get online?

**Step 1**



spionlink

- Nano SIM
- Micro SIM
- **Normal SIM**

**Please get a suitable SIM card from your local place. The SIM card must meet below points:**

◆ It must be compatible with the 2G GSM network

◆ Please enable SMS, call, internet data traffic of the SIM card

◆ Enable the caller ID display feature

◆ Remove the PIN code

◆ Use Normal size SIM card for the tracker

◆ Please inquire the SIM card provider for the exact correct APN information

**Step 2**  Indicator status description

| LED | Event | State |
|---|---|---|
| Yellow light | No GPRS signal | Solid |
| | GPRS connection | Flash |
| Blue light | No GPS signal | Solid |
| | GPS connection | Flash |
| Red light | Charging | Solid |
| | Full charged or ran out of battery | Off |

**Step 3**  Configure APN

Please get the exact correct APN name from local SIM card provider.Take the tracker to a good signal place for operation and configure the APN for it as below:

| SMS Command Format | Reply | Example | Note |
|---|---|---|---|
| apn123456+space+ apn name | apn ok | apn123456 cmnet | Please get the exact correct APN name from local SIM card provider."cmnet" is just an example of APN name. |
| apnuser123456+ space+apnuser | apnuser ok | apnuser123456 cmnet | If the SIM card operator doesn't have APN user name,then please ignore this configuration |
| apnpasswd123456+ space+apnpassword | apnpasswd ok | apnpasswd123456 123 | |

Note: The APN information is very important, it must be 100% correct to match with the sim card of the tracker, if you configured wrong APN, the tracker also will reply "SET APN ok" but it will can't get online!

# 5. Package Content

| | |
|---|---|
| GPS Main Unit | x 1 |
| USB Charging Cable | x 1 |
| User Manual | x 1 |
| Pet Collar | x 1 |
| Genuine Packing Box | x 1 |

# 6. Functions Explanation

**a. How to manage multiple devices together in one account?**

* Firstly you need register an account on the tracking platform

* Click"+ "icon to add all the ID numbers in the account and then you will can manage them together

**b. Voice Monitor:**

* Set admin number by this sms command:
admin+123456+space+admin number with country code

* Switch the tracker to voice monitor mode by this sms command:monitor123456

* Dial the sim number of the tracker from the admin number, then the tracker will pick up the call automatically and you will can remote monitor the voice around it.

For example:

ML935

admin123456 13417411616

admin ok

monitor123456

monitor ok

# 7. Installation Recomendation


**Cow**


**Horse**


**Hound**


**Sheep**

# 8. Troubleshooting

| Type | Use |
|------|-----|
| Fail to turn it on | Please check if battery is charged. |
| No GSM signal | <ul><li>Please check if SIM card installed correctly.</li><li>Please check if SIM card is GSM network.</li><li>Don't turn on the PIN code.</li><li>No calls can bediverted.</li></ul> |
| No GPS | A more open view of the sky is recommended to make sure the device can receive the GPS signal normally. |
| No reply to SMS command | Password wrong or the format is wrong. |
| No reply to calling & No alarm message | Authorized / admin phone number is incorrect or has not setup. |
| SMS position OK, cannot use the APP and web platform. | Pls check if APN is correctly set. And pls find out the correct APN content of the SIM card. |
| Platform position is difference from the actual position. | * The GPS doesn't have GPS signal and it shows the last GPS positioning location<br>* The GPS doesn't reach the next uploading time<br><br>You can call the SIM number of the tracker to get the latest position |

# 9. Full SMS Commands List

| Functions | Command Format | Explanation |
|-----------|----------------|-------------|
| Query parameters | check123456 | |
| Adminip | adminip+123456+space+ip+space+port | Set Home IP and Port of the server,and update gps info by cell id |
| | noadminip+123456+space+ip+space+port | |
| Restore to factory | begin+123456 | Restore to factory |

| Functions | Command Format | Explanation |
|---|---|---|
| GPRS | GPRS+123456 | Open GPRS |
| | noGPRS+123456 | Shut GPRS |
| Set APN | apn+123456+apn content | Set APN (old one will be replaced) |
| APN user | apnuser+123456+space+content | Set APN username (If without, please ignore) |
| APN password | apnpasswd+123456+space+content | Set APN password (If without, please ignore) |
| Set authorized number | admin+123456+space+number | Set authorized number, only these numbers can control the unit |
| | noadmin+123456+space+number | |
| Set password | password+old 123456+space+ new 123456 | Set password |
| Retrieve password | cpwd | |
| Timezone | timezone+123456+space+GMT No. | Set GMT time zone number. (default: 0) |
| Monitor mode | monitor123456 | Switch to the monitor mode. You will hear sounds near the unit after you call it |
| Tracking mode | tracker123456 | Switch to the tracking mode, you will get geo-info after you call it |
| SMS Tracker | G+123456# | Latitude & longitude query |
| Sleep mode | sleep+123456+space+time; sleep+123456+space+time10 (Change interval time) | Efault mode-save much power,tracker will fall asleep in 5 minutes (default: 5 minutes) |
| | sleep+123456+space+shock; sleep+123456+space+shock10 (Change interval time) | Tracker will enter sleep mode after detect no shock in 5 minutes |
| | sleep+123456+space+off | Tracker will continue working |
| Upload command | upload+123456+space+15 (Ranged: 10-43200) | Upload information every 15 second (default: 120 seconds) |
| Shock alert | shock+password | Arm |
| | noshock+password | Unarm |
| Vibrator sms alarm on/off | vibalm123456 | Defaulted:ON |
| | novibalm123456 | |

## 10. Any Questions?

*E-mail:* support@micodus.com
*Skype:* MiCODUS

## 11. Download the APP

Search "MiCODUS" in iOS APP store or Google Play Store, or just scan the QR code as below to download MiCODUS APP:

Download on the
**APP Store**

Download for
**Android**

HarmonyOS