



## **ML935 User Manual V1.0**

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 C - 75 C
	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



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

#### Step 1



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 <b>doesn't</b> 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:



## 7. Installation Recommendation



Cow



Horse



Hound



Sheep

## 8. Troubleshooting

Type	Use
Fail to turn it on	Please check if battery is charged.
No GSM signal	<ul style="list-style-type: none"><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 be diverted.</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.	<ul style="list-style-type: none"><li>* The GPS doesn't have GPS signal and it shows the last GPS positioning location</li><li>* The GPS doesn't reach the next uploading time</li></ul> <p>You can call the SIM number of the tracker to get the latest position</p>

## 9. Full SMS Commands List

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)	Default 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	

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

## 10. Any Questions?

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

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## 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:

