

Mictrack Communication Protocol V1.0 (for MT600-NB)



1. The Protocol in Cat M1/NB-IoT Mode

1.1 GPS Data Format:

#<IMEI>#<A>##<C>#<D>[CR][LF]

#<Base ID><Message ID>,<UTC time>,<Status>,<Latitude>,<N/S Indicator>,<Longitude>,<E/W Indicator>,<Speed Over Ground>,<Course Over Ground>,<Date>,,,<Checksum>,[CR][LF]##

For example:

#863835023427631#MT600-NB#0000#AUTO#1

#a52d15e5803\$GPRMC,094632.00,A,2237.7776,N,11402.1399,E,0.07,309.62,030116,,,A*49##

1.2 The parameter description

Parameter	Example	Description
IMEI	863835023427631	IMEI (15 digits)
A	MT600-NB	GPRS user name
B	0000	GPRS user password
C	AUTO	GPRS Status (more detail please check 2.3).
D	1	GPRS Upload data quantity
<CR><LF>		End of message termination
Base ID	262c0f48(2G SIM Card) a52d15e5803(3G SIM Card)	LAC+CI (Hex)
Message ID	\$GPRMC	RMC Protocol header
UTC time	094632.00	hhmmss.ss
Status	A	A=valid,V=invalid
Latitude	2237.7776	ddmm.mmmm
N/S Indicator	N	N=north or S=south
Longitude	11402.1399	Dddmm.mmmm
E/W Indicator	E	E=east or W=west
Speed Over Ground	0.07	knots
Course Over Ground	309.62	degrees
Date	030116	DDMMYY
Checksum	A*49	
<CR><LF>		End of message termination

1.3 Status in LTE/HSPA/GPRS Mode:

Status	Description
AUTOSTART	The upload status when ACC switch to ON
AUTOSTOP	The upload status when ACC switch to OFF
AUTO	ACC ON
AUTOLOW	ACC OFF and vehicle stop
TOWED	ACC OFF and vehicle Move
CALL	CALL alert
SOS	SOS alarm
DEF	Cut Power alarm
HT	High Temperature alert
BLP	Backup battery low voltage
CLP	Car Battery low voltage
OS	Out of the Geo-fence alarm
RS	Enter the Geo-fence alarm
OVERSPEED	Overs-peed alarm
SAFESPEED	Safe-speed alarm

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Any questions please do not hesitate to contact us:



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