



MyGPS.co.kr

GPS-310

GPS



031-456-6984

# 1. GPS

GPS GPS

GPS GPS

가 . GPS Global Positioning System  
 (24 ) . , 24  
 ( ) 가

3  
 가 3  
 , 20,200 Km ? 20,300Km

가

가 . GPS

## 1-1. GPS

GPS

- 
- 
- 
- 
- 
- 
- 
- 
- 

Outdoor

(Geocaching)

1-2. GPS

GPS

- 가 : GPS-310,
- 가 : ,Garmin GPS-V
- Plotter
- 
- GPS : USB -GPS , PDA GPS , GPS
- , CF GPS , PDA GPS (NAVMAN)
- GPS .

GPS

- 가 .
- 가
- 가 GPS GPS-310

1-3. GPS

- GPS
- GPS 12 5-15m
- +30m 가
- 가
- DGPS
- 5M DGPS 3-
- . 2000
- SA(Selective Availability) GPS
- 가 100m
- 가 GPS
- 5-10 m 가 , ,
- 가

, 가 GPS가 3  
가  
(Datum)

.  
(2003 ) TOKYO Datum  
) WGS-84 Datum  
.

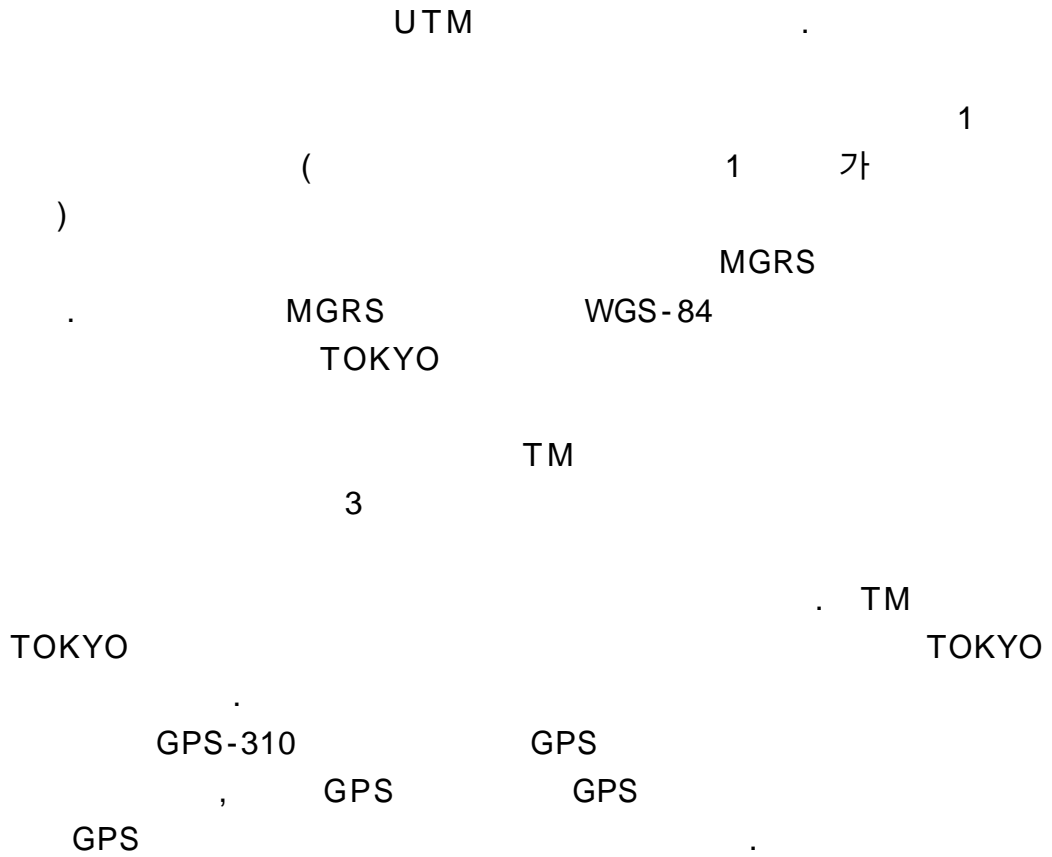
1-4. GPS

GPS GPS GPS

- (Location)  
가 가 , , ( 37 20  
59 ) LAT/LON ( )  
) . 37.12345  
DEG.nnnn .\*\*\*\* (37 20.983 )  
, , , (DEG/MIN/SEC) 3가

. 37 20 59 DEG MIN.nnnn  
59 100 59/60  
0.98333 37 20.983333  
20.983333/60  
0.34972216 37.34972216 가 .  
37 20.98 37 20 98

100 DEG/MIN/MM ( 가  
GPS )



<http://www.mygps.co.kr>

- BEARING

360

0

- DISTANCE

GPS  
KM

Miles

- HEADING

360

. BEARING

HEADIN

GPS

가

- SPEED

가

- LMK , WP (Land Mark , Way Point , )

Land Mark    WayPoint

- ROUTE ( )

가

. ROUTE

Way

Point(Land Mark)가

GPS-310

LEG

- TRACK ( )

가

TRACK( )

ON

가

GPS-310

- XTE (Cross track Error)

A

B

- Elevation

30 m

가

가 .

- Magnetic North ( )

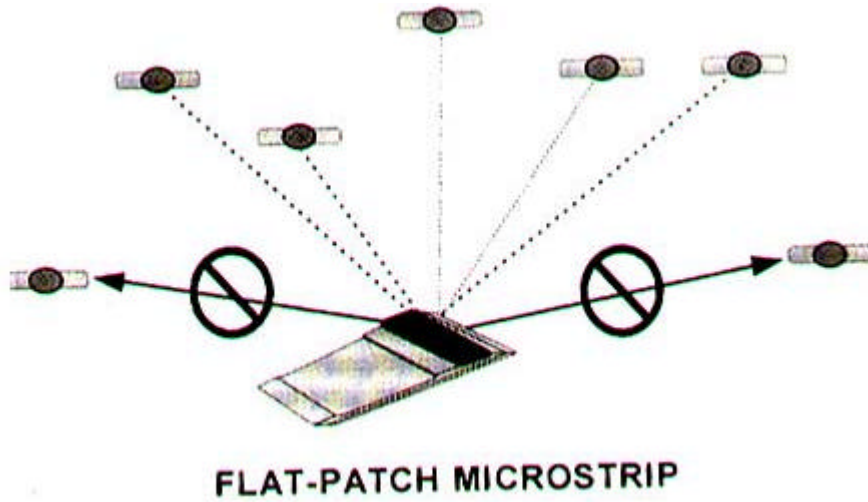
가 . GPS

- GPS

GPS 가 .

A . FLAT-Patch Microstrip

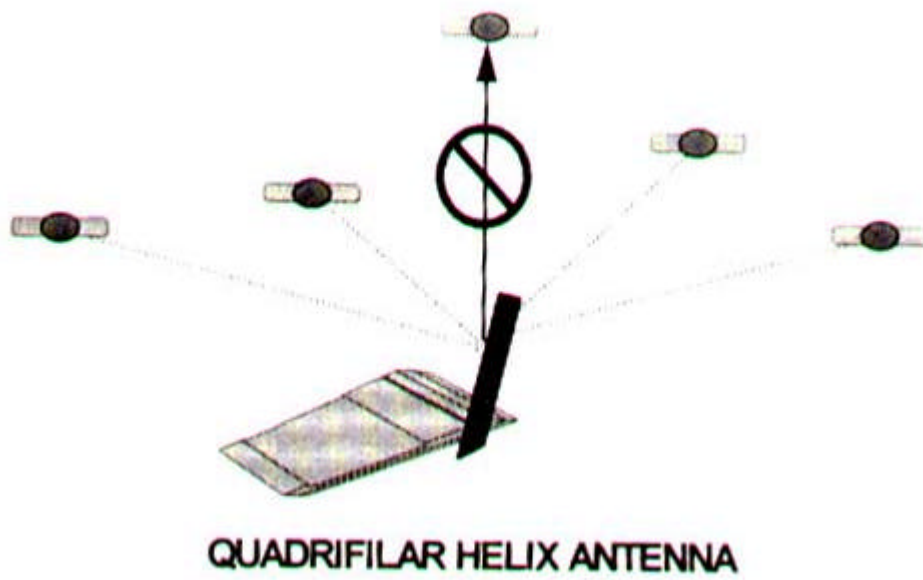
가  
GPS, Garmin GPS



GPS 가

### B. Quadrifilar Helix Antenna

가  
GPS-310 ,      Garmin      GPS-V



가 GPS

45

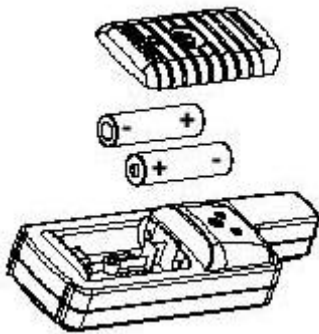


# 2. GPS

	GPS		
	GPS	GPS-310(Magellan)	Garmin E-trex,
Navius GPS	GPS		

2-1 .

GPS  
가



?가  
GPS

+, ? .

가

GPS -310 KEY

**Magellan GPS 310 Key Functions**



GPS ?310

가

GPS-310

Menu Key

**MENU** , PRESS ENT TO CHANGE **ENTER**

COORD SYS : **ENTER**

LAT LON ( ) -> UTM LAT LON  
**ENTER**

LAT LON : **ENTER**

DEGMINSEC( ) -> DEGMIN( , )  
DEGMINSEC ( )가  
**ENTER**

MAP DATUM **ENTER**

WGS-84 -> Tokyo ....  
WGS-84 TOKYO  
**ENTER**

UNITS ( ) **ENTER**

KM ? KPH ( Km / Km/h ) -> Mi-MPH(Mile, Mile/h)  
KM ? KPH (NM ?NTS) ( )  
**ENTER**

TIME( )

24 HOUR -> 12 HOUR -> UT

SET ( )

GPS 가

.(

)

NORTH REF( , )

MAGNETIC ->TRUE

MAGNETIC

REGION( )

EAST ASIA

가

COUNTRY( 가)

KOREA

가

ELEVATION ( )

000076M

TIME ( )

12:50

DEMO ( )

OFF

OFF

가 ON

GPS가

CONTRAST ( )

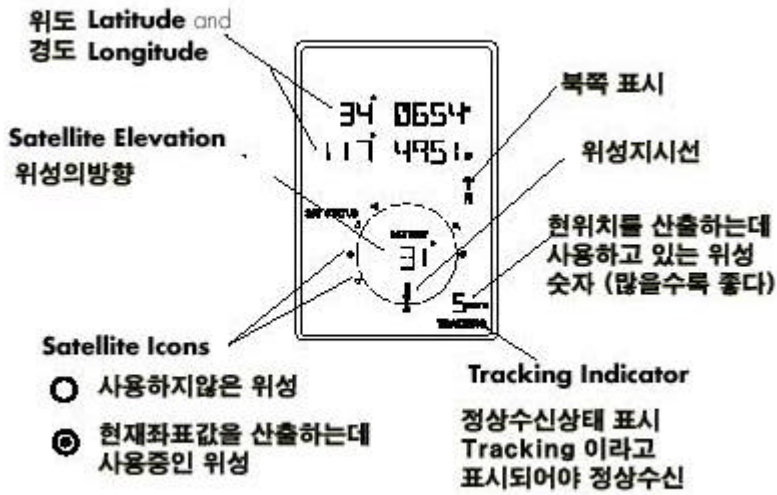
00000000

가 10  
TRACKING 가

2-2 GPS-310

GPS -301

가



LATITUDE / LONGITUDE

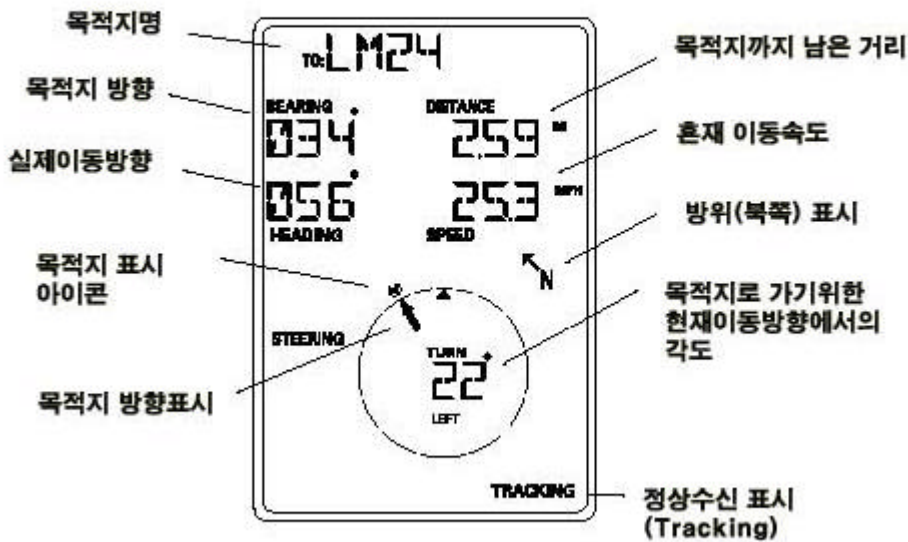
TRACKING

GPS-310

(Segment)가

GPS

목적지가 설정된 NAV 화면



가 NAVIGATION

NAV

가

- : LANDMARK(WAY POINT)

- BEARING( ):

- HEADING( ):

- : 가

- : 가

- :

- ( ) :

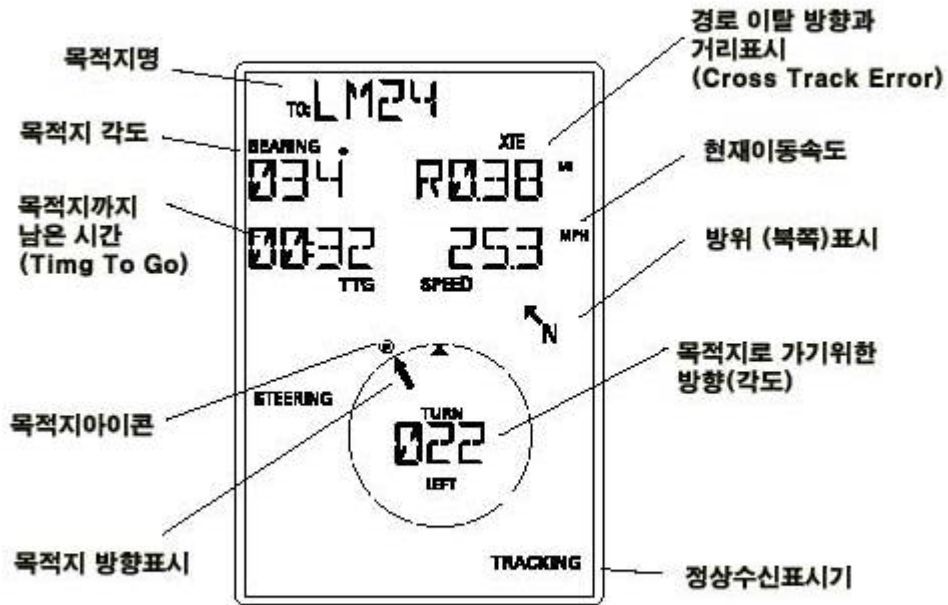
- : 22

22 가 가

(56 - 34 =

22 , Turn 22 Left)

목적지가 설정된 또다른 NAV화면



NAV

가

가

- Time To Go(TTG) : (32 )
- XTE(Cross track Error) : R0.38Km ( 380m )

가

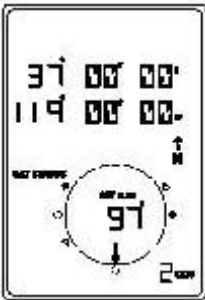
, GPS (点)  
GPS

: GPS 가 .  
가 .



2-3.

PWR



가

TRACKING

가 4

가

MARK

2-3.

[MARK]

[MARK]

GPS-310 99 LANDMARK



4

[ENTER]

( : GPS-310

)

[ENTER 2 ]

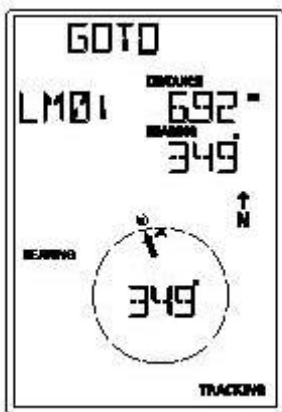
LM01

CAR

2-4. (LAND MARK/WAY POINT)

2-3 CAR

[GOTO]



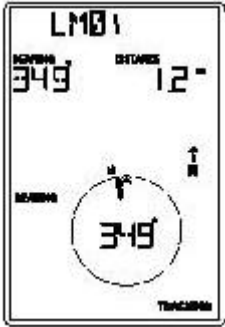
[ENTER]

NAV  
가

[MENU]

LMKS PRESS ENT TO VIEW 가 ENTER





PRESS ENT TO EDIT

ENTER

PRESS ENT TO DELETE 가  
ENTER 가

ENTER

YES

2-5.

가

2-4

Mark

[GOTO]

[MARK]

( ENTER )  
[ENTER] , [ENTER]

[GOTO]

(LMK)

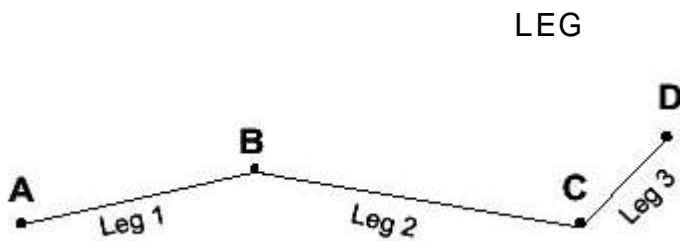
[ENTER]

2-5.

가  
 가  
 GPS-310  
 ,  
 가

2-7. (CREATING ROUTE)

가 1  
 - 2 - 3 ... 10

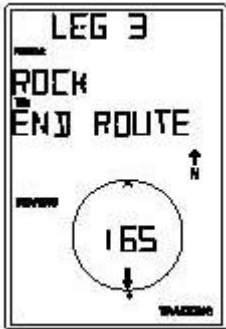


[MENU]  
 CREAT 가

ROUTE PRESS ENT TO  
 ENTER

[ENTER]

3  
 END ROUTE 가



가

2-8. 가

MENU KEY            ROUTE    PRESS TO VIEW  
 ENTER                ROUTE                                    ROUTE  
 ENT TO ACTIVE        ENTER  
       NAV            NAV  
       LEG1        LEG2        LEG3        LEG4  
 LM01 -----> LM02 -----> LM03 -----> LM04 ---- -> LM05  
       LM01        LM02                    LM02                                    가  
 LM03                    LM03    LM05

GPS-310                99            1                                    1  
 10    LEG    .                    20    Route    500  
 Waypoint , 2,000        track -point    .

2-9.

[MENU]  
 ROUTE  
 PRESS ENT TO VIEW [ENTER]  
 ENT TO DEACTIVATE 가 [ENTER]

2-10.

A B A -> B  
 B -> A  
 GPS -310

[MENU]  
 ROUTE  
 PRESS ENT TO VIEW [ENTER]

PRESS ENT TO REVERSE 가 [ENTER]  
 LM01 -> LM02 -> LM03 가 LM03 -> LM02  
 -> LM01

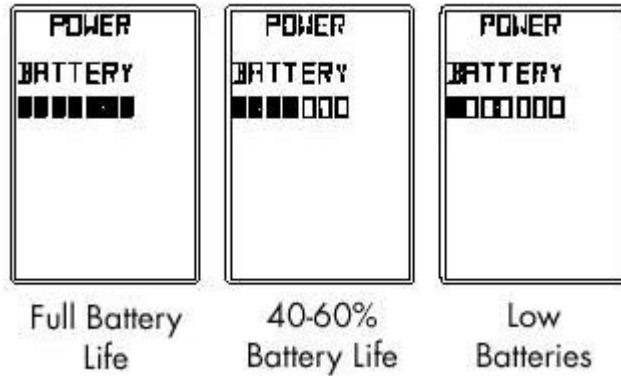
2-11.

가

[MENU]  
 ROUTE  
 PRESS ENT TO DELETE [ENTER]  
 YES [ENTER] 가 .

2-12 .

- , : [MENU]  
TIME  
가
- : [MENU] ELEVATION  
가 . 가 FEET 가
- : [MENU]



- 가 OFF
- 가
- ( GPS PDA TYPE 가
- .)

- ODO METER : ODO METER  
GPS

가 . MENU  
ODOMETER ENTER RESET  
ODOMETER ? NO / YES YES ENTER  
000000 .

### 3. Interface

GPS-310

PC PDA

가 가

PDA

4800bps

RS -232C  
NMEA -0183





GPS-310 Palm VX PDA

PDA

GPS 가

PDA

가

Palm O.S

WIN Ce  
Path Away

가

Ozi-Explorer  
가

4

GPS 가

가  
PDA

가



Compaq PDA

OziExplorer

Palm Vx

Pathaway

GPS

PDA

가 가 , ALMAP .  
가 가  
가  
GPS pda  
GPS , 가  
GPS 가  
가 .  
PDA 가  
GPS .  
가 가  
가