

## GPM 01

# HAND LOUDSPEAKER / MICRO WITH GPS

### FUNCTION DESCRIPTION

The Hand Loudspeaker / Micro, type GPM 01, is intended for **TETRAPOL G2 handheld radio terminal**. This device with built-in GPS receiver enables the voice communication of mobile participants within TETRAPOL radio network and the transfer of information regarding the geographic position of the radio terminal directed to **AVL** (Automatic Vehicle Location) system.

The dispatcher of the AVL centre controls the interval of positioning (polling interval) and he sets the operating mode of the GPM 01 that way. The modes with shorter interval of positioning (15 or 30 s) are suitable for more detailed acquisition. The GPS receiver is permanently switched on within these modes. The mode with longer interval (60 s) is designed for common overview acquisition and position monitoring. The GPS receiver is switched on for necessarily time only within this mode and the battery of the hand radio terminal is thereby saved.

The GPM 01 is equipped with the loudspeaker, microphone, PTT key-button, rotating mounting clip, Jack connector for connection of the external headphone, acoustic signalling of the connection within TETRAPOL system and with GPS receiver antenna.

The GPM 01 is fixed on the dress kit by the rotating clip, the vertical position is recommended..

The GPM 01 is powered from the battery of the radio terminal and it is switched on simultaneously with the radio terminal. The GPM 01 is designed for handheld radio terminals of TETRAPOL G2 system by EADS (MATRA) producer, type MC 9620 S G2 (Smart), MC 9620 M G2 (Easy+) and MC 9620 E G2 (Easy).



### TECHNICAL SPECIFICATION

Type	GPM 01		
GPS receiver			SiRFstarIII
Position accuracy	m		10 *
Position polling intervals	s		15, 30, 60
GPS Sensitivity	Tracking	dBm	- 159
	Acquisition	dBm	- 155
Acquisition time	Cold start	s	45
	Hot start	s	5
Power consumption	GPS receiver on	mA	65
	GPS receiver off	mA	10
Operating temperature range	°C		-20 to +55
Weight	kg		0,22
Dimensions (l x h x w)	mm		48 x 90 x 35

\* Position accuracy depends on the GPM 01 location and on visibility of satellites.

