TETRA Digital Car Kit



The TETRA Digital Car Kit is Motorola's vehicle adapter designed to transform your portable into a virtual mobile radio providing in-vehicle battery charging, hands-free operation and extended coverage.

Benefits of your Motorola TETRA Digital Car Kit:

- **Meeting the needs for mobility requirements:**
  - Transform the portable radio into a virtual mobile radio, with access to an external speaker, directional microphone and remote push-to-talk.
  - Extended radio and GPS coverage through an external antenna.
  - In-vehicle battery charging and continuous power to the portable is provided through the car battery, allowing users to charge their portable even while away from the office.
- **Safe hands-free communication system:**
  - A three-axis rotating mounting bracket on the cradle allows user to set the unit in a position for easy convenient access.
  - Display is kept upright and in clear view, allowing easy access to buttons and keys which facilitates safe driving conditions.
  - Cradles provides secure holder for the portable ensuring safety while driving.
- **Enhanced in-vehicle audio performance:**
  - Junction box provides vehicle speakerphone capability and includes the following features:
  - Digital signal processor for full-duplex hands-free communications operation with adaptive echo cancellation and noise reduction.
  - Simple on/off and ignition sense circuitry.
  - Audio amplifier with muting capability to drive external speaker and microphone.
- **Convenient installation for accessible functionalities:**
  - The junction box provides one single interface box for connecting the cradle, external speaker, visor microphone, remote push-to-talk and power cables.
  - The release button allows quick removal of the portable ensuring all functionalities are always at the user fingertip while on the move.
  - The junction box provides power source to the external GPS antenna.
  - This cradle is compatible with PMLN5616 (2-inch belt clip), providing convenience for users that need to quickly remove the radio for portable operations.



GMLN4687 – TETRA Terminal Hands-free Digital Car Kit*

Complete kit includes:

- Cradle to hold any compatible radio, with or without PMLN5616 (2-inch belt clip) attached (GMLN4688)
- Mounting Bracket and screws (FTN6376)
- Junction Box (FLN3120)
- Passive 5W Remote Speaker (SSN4020)
- Remote Directional Visor Microphone (SMN4095)
- Remote Velcro™ Push-To-Talk (FLN9571)
- Power Cables (FKN4919)
- Installation Manual (6866535D12)
- User Guide (6866535D13)

TETRA Digital Car Kit Specifications

Cradle purpose:	Secures terminal Switches RF to external antenna (including GPS signals) Interfaces to Junction Box
Cradle Mounting:	Flexible 3-axis swivel/locking mounting bracket
Cradle Dimensions (excluding radio):	41x200x50 mm
Cradle Weight (excluding radio):	400 gms (including cable and mounting bracket)
Junction Box Dimensions:	60x140x30 mm
Junction Box Weight:	300 gms (excluding cables)
Cradle to Junction Box Cable:	2m long terminated with male DB 26 connector
Car Kit Operational Temperature Range:	-30°C to 60°C
Battery Charging:	Battery Charger** @ nominal input voltage: Max Charge Current: 1A Dead Battery Operation: Radio operational within 2 minutes of being inserted Operating Temperature: 0°C to 40°C
Input voltage:	10.8-15.6VDC (Standard 12VDC automotive system)
Antenna RF Connector:	FME plug
Radio Compatibility:	MTP850, MTP850 S, MTP850 FuG, MTP830, CEP400 models (with or without belt clip attached to radio)
Battery Compatibility:	FTN6573 Slim battery FTN6574 Extended battery PMNN4351 Extended battery
Belt Clip Compatibility:	PMLN5616A 2-inch belt clip (please note that no other belt clip is compatible with this cradle)
Compatible GPS/TETRA Antennas***:	- 380-430 MHz (GMAE4290) - 800 MHz (GMAF4504) - 350 MHz (GMAD4500)

* GMLN5076 is the TETRA Terminal Hands-free Digital Car Kit that includes the only compatible belt clip PMLN5616 (2" belt clip).

** The GMLN4687 car kit provides battery charging voltage to the portable radio while the charging circuit resides in the portable radio. Battery charge times/temperatures are for reference only.

*** An external antenna kit is required and sold separately. A TETRA-only antenna may be used if GPS signal reception is not required.

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