



MTP6000 SERIES CAR KIT

The MTP6000 Car Kit is Motorola's vehicle adapter designed to transform your MTP6000 portable into a virtual mobile radio providing in-vehicle battery charging, hands-free operation and extended coverage.

Transform the MTP6000 portable radio into a virtual mobile radio, with access to a wide range of accessories commonly associated with mobile radios. The mobile accessories include a variety of microphones, speakers, remote push-to-talk options, telephone style handset, alarm relay and emergency footswitch. By connecting the portable to an external antenna, the car kit also provides extended TETRA and GPS coverage, while in-vehicle battery charging through the car battery allows users to charge their portable even while away from the office.

DESIGNED FOR VERSATILITY

The junction box provides the portable radio with a single interface to a range of functions such as vehicle speakerphone capability and battery charging.

Besides allowing a connection to mobile radio accessories such as fist microphones and external speakers, the junction box offers an entertainment mute output to mute the vehicle's entertainment system

when a call is ongoing. It also features a microphone bias control, which allows the use of third party low bias microphones. This may come pre-installed in some vehicles.

SAFER COMMUNICATIONS

With the three axis rotating mounting bracket, you can communicate safely while the radio stays mounted, enabling ease of use and convenience. To enable safer driving conditions, the cradle provides a secure holder for the portable radio. It remains upright and in clear view which allows for easy access to the buttons and keys. The quick release button allows one-hand quick removal from the car kit which provides an efficient way to gain access to your radio.

DATA CONNECTION

The USB connector allows a connected device to send data over the TETRA network (PEI). Easily program the radio by connecting a PC via the USB to the car kit.

ORDERING GUIDE: SELECT BETWEEN TWO SALES MODELS

GM0301A STANDARD CAR KIT INCLUDES:

Item Description

MTP6000 CAR KIT JUNCTION BOX
STANDARD CRADLE TO JUNCTION BOX CABLE
POWER CABLE
MOUNTING BRACKET FOR CRADLE
MTP6000 CRADLE WITH RF CONNECTION
SMART VISOR MICROPHONE
7.5W EXTERNAL SPEAKER
PUSH BUTTON PTT
INSTALLATION MANUAL
USER GUIDE

GM0302A CUSTOMIZED CAR KIT INCLUDES:

MTP6000 CAR KIT JUNCTION BOX
POWER CABLE
INSTALLATION MANUAL
USER GUIDE

SELECT FROM THE FOLLOWING OPTIONS:

Part Number Item Description

MTP6000 CAR KIT CRADLE (Mandatory, Choose One)

QA05463AA	ADD: RF CRADLE (INCLUDES Remote Speaker Microphone BRACKET AND MOUNTING BRACKET)
QA05464AA	ADD: NON RF CRADLE (INCLUDES Remote Speaker Microphone BRACKET AND MOUNTING BRACKET)

MTP6000 CAR KIT CABLE (Mandatory, Choose One)

QA05461AA	ADD: CRADLE TO JUNCTION BOX CABLE
QA05462AA	ADD: CRADLE TO JUNCTION BOX Y CABLE WITH USB (DATA)

Choose a microphone from at least one of the following two categories:
one mobile microphone type only and/or one visor microphone/push to talk combination only.

MTP6000 CAR KIT MOBILE MICROPHONE (Mandatory, Choose One)

QA05465AA	ADD: COMPACT FIST MICROPHONE + MMP* EXTENSION CABLE
QA05466AA	ADD: HEAVY DUTY FIST MICROPHONE + MMP* EXTENSION CABLE
QA05467AA	ADD: IMPRES TELEPHONE STYLE HANDSET + MMP* EXTENSION CABLE
QA05479AA	DELETE: MOBILE MICROPHONE

MTP6000 CAR KIT VISOR MICROPHONE AND PUSH TO TALK (Mandatory, Choose One)

QA05468AA	ADD: VISOR MICROPHONE + PUSHBUTTON WITH REMOTE PUSH TO TALK
QA05469AA	ADD: IMPRES VISOR MIC + PUSHBUTTON WITH REMOTE PUSH TO TALK
QA05470AA	ADD: VISOR MICROPHONE + GOOSENECK PUSH TO TALK
QA05471AA	ADD: IMPRES VISOR MIC + GOOSENECK PUSH TO TALK
QA05478AA	DELETE: VISOR MICROPHONE AND PUSH TO TALK

MTP6000 CAR KIT SPEAKER (Mandatory, Choose One)

QA05472AA	ADD: SMALL LOUDSPEAKER, 5W
QA05473AA	ADD: LOUDSPEAKER 7.5W
QA05474AA	ADD: LOUDSPEAKER, 13W
QA05475AA	ADD: SMALL LOUDSPEAKER 5W + EXTENSION CABLE
QA05476AA	ADD: LOUDSPEAKER 7.5W + EXTENSION CABLE
QA05477AA	ADD: LOUDSPEAKER 13W + EXTENSION CABLE

MTP6000 CAR KIT ANTENNA (Optional, Choose One Only)

QA05480AA	ADD: ANT. DIGITAL CAR KIT TETRA 350 - 390MHZ / GPS
QA05481AA	ADD: ANT. DIGITAL CAR KIT TETRA 380 - 430MHZ / GPS
QA05482AA	ADD: ANT. DIGITAL CAR KIT TETRA 430 - 470MHZ / GPS

*Mobile Microphone Port

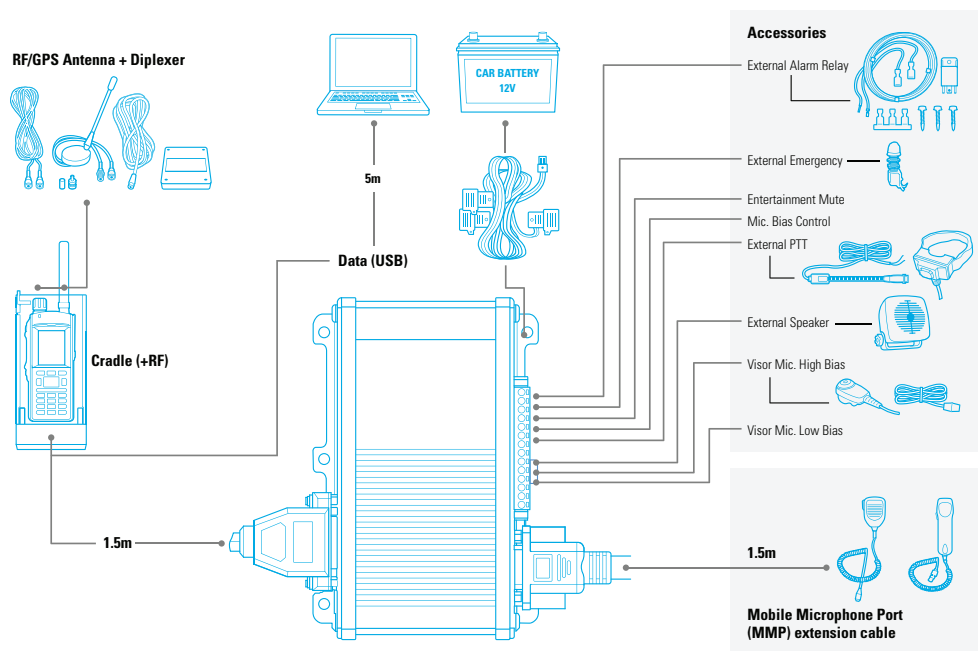
COMPATIBLE ACCESSORIES

The following accessories are also available to order separately from the sales models

Part Number Item Description

RMN5107	Compact Fist Microphone
RMN5111	Heavy Duty Fist Microphone
PMMN4087	Visor Microphone (High Bias)
RMN5054	IMPRES Visor Microphone
MDHLN7016	IMPRES telephone style handset
RLN4857	Pushbutton with Remote Push to Talk
RLN4858	Gooseneck Push to Talk
RSN4002	Loudspeaker, 13W
RSN4003	Loudspeaker, 7.5W
RSN4004	Small Loudspeaker, 5W
RLN4836AR	Emergency Foot Switch
PMKN4119	Speaker Extension Cable
GKN6272	External Alarm Relay
30012040002	Power Cable
GMAD4500	Combined TETRA/GPS 350-390 MHz External Antenna
GMAE4290	Combined TETRA/GPS 380-430 MHz External Antenna
GMAE4293	Combined TETRA/GPS 430-470 MHz External Antenna
PMLN6522	Non-charging RF cradle with mounting brackets
PMLN6521	Non-charging non-RF cradle with mounting brackets

MTP6000 CAR KIT CONFIGURATION



SPECIFICATIONS

Cradle	Secures terminal
	Switches RF to external antenna (including GPS signals)
	Interfaces to Junction Box
	Includes bracket for holding Remote Speaker Microphone
	Compatible with radio belt clips PMLN5616, HLN9714, PMLN5004
Cradle Mounting	Flexible 3-axis swivel/locking mounting bracket
Cradle Dimensions (excluding radio)	66.9(W) x 190.5(H) x 77.3(D) mm
Cradle Weight (excluding radio)	215 gms (including mounting bracket)
Junction Box Dimensions	105(W) x 140(L) x 30(H) mm
Junction Box Weight	300 gms (excluding cables)
Cradle to Junction Box Cable	1.5m long terminated with male DB 26 connector
Cradle to Junction Box Cable with USB Data Cable	1.5m long terminated with male DB 26 connector. Includes 5m long USB Data Cable terminated with male USB A connector
Car Kit Operational Temperature Range	-30°C to 60°C
Battery Charging*	Battery Charger @ nominal input voltage: 5V
	Max Charge Current: 900mA
	Dead Battery Operation: Radio operational within 2 minutes of being inserted
	Battery Charging Temperature Range: 0°C to 40°C
Input voltage	10.8-16.6VDC (Standard 12VDC automotive system)
Antenna RF Connector	FME plug
Radio Compatibility	MTP6000 series radios
Battery Compatibility	NNTN8020 NNTN8023
Combined GPS/TETRA Antennas**	- 350-390 MHz (GMAD4500)
	- 380-430 MHz (GMAE4290)
	- 430-470MHz (GMAE4293)

* The car kit provides battery charging voltage to the portable radio while the charging circuit resides in the portable radio.

** A TETRA-only antenna may be used if GPS signal reception is not required.

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