



Translation

3rd Supplement

(Supplement in accordance with Directive 94/9/EC Annex III number 6)

**to the EC-Type Examination Certificate
BVS 05 ATEX E 082**

Equipment: Radio type GP***, type ATS*** and type PTX***
Manufacturer: Motorola GmbH
Address: 13507 Berlin, Germany

Description

The radio type GP***, type ATS*** and type PTX*** is a handheld radiotelephone. It serves for communication in the UHF- and in the VHF- band and it can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report and the type's codes are:

The stars of the marking can now be replaced by the following letters:

1. UHF radio

name	type description	model number
ATS2500EX U1	ATEX Type PF (12.5 kHz)	AZH25RCH4GC6
ATS2500EX U1	ATEX Type PF (25.0 kHz)	AZH25RCH6GC6
GP 329 Ex U1	ATEX Type POP (12.5 kHz)	AZH25RCC4AN3
GP 329 Ex U1	ATEX Type POP (25 kHz)	AZH25RCC6AN3
GP 339 Ex U1	ATEX Type PFKP (12.5 kHz)	AZH25RCH4AN6
GP 339 Ex U1	ATEX Type PFKP (25 kHz)	AZH25RCH6AN6
GP340 UHF1 5T	ATEX Type PW531C (12.5 kHz)	MDH25RCC4AN3AEA
GP340 UHF1 5T	ATEX Type PW511C (25.0 kHz)	MDH25RCC6AN3AEA
GP340 UHF1 5T	ATEX Type PW531C w/Option Board (12.5 kHz)	MDH25RCC4AN3AEASP1
GP340 UHF1 5T	ATEX Type PW511C w/Option Board (25.0 kHz)	MDH25RCC6AN3AEASP1
GP380 UHF1 5T	ATEX Type PW531H (12.5 kHz)	MDH25RCH4AN6AEA
GP380 UHF1 5T	ATEX Type PW511H (25.0 kHz)	MDH25RCH6AN6AEA
GP380 UHF1 5T	ATEX Type PW531H w/Option Board (12.5 kHz)	MDH25RCH4AN6AEASP1
GP380 UHF1 5T	ATEX Type PW511H w/Option Board (25.0 kHz)	MDH25RCH6AN6AEASP1
GP580 UHF1 S/Zone	ATEX Type PW531H (12.5 kHz)	MDH25RCH4GC6AEA
GP580 UHF1 S/Zone	ATEX Type PW511H (25.0 kHz)	MDH25RCH6GC6AEA

name	type description	model number
GP680 UHF1 MPT	ATEX Type PW531H (12,5 kHz)	MDH25RCH4CK6AEA
GP680 UHF1 MPT	ATEX Type PW511H (25,0 kHz)	MDH25RCH6CK6AEA
GP680 UHF1 MPT	ATEX Type PW531H w/Option Board (12.5 kHz)	MDH25RCH4CK6AEASP1
GP680 UHF1 MPT	ATEX Type PW511H w/Option Board (25.0 kHz)	MDH25RCH6CK6AEASP1
PTX760 Ex U1	ATEX Type PFKP (12.5 kHz)	AZH25RCH4CK6
PTX760 Ex U1	ATEX Type PFKP (25 kHz)	AZH25RCH6CK6

2. VHF radio

name	type description	model number
ATS2500EX VHF	ATEX Type PF (12.5 kHz)	AZH25KCH4GC6
ATS2500EX VHF	ATEX Type PF (25.0 kHz)	AZH25KCH6GC6
GP 329 Ex VHF	ATEX Type POP (12.5 kHz)	AZH25KCC4AN3
GP 329 Ex VHF	ATEX Type POP (25 kHz)	AZH25KCC6AN3
GP 339 Ex VHF	ATEX Type PFKP (12.5 kHz)	AZH25KCH4AN6
GP 339 Ex VHF	ATEX Type PFKP (25 kHz)	AZH25KCH6AN6
GP340 VHF 5T	ATEX Type PW331C (12.5 kHz)	MDH25KCC4AN3AEA
GP340 VHF 5T	ATEX Type PW311C (25.0 kHz)	MDH25KCC6AN3AEA
GP340 VHF 5T	ATEX Type PW331C w/Option Board (12.5 kHz)	MDH25KCC4AN3AEASP1
GP340 VHF 5T	ATEX Type PW311C w/Option Board (25.0 kHz)	MDH25KCC6AN3AEASP1
GP380 VHF 5T	ATEX Type PW331H (12.5 kHz)	MDH25KCH4AN6AEA
GP380 VHF 5T	ATEX Type PW311H (25.0 kHz)	MDH25KCH6AN6AEA
GP380 VHF 5T	ATEX Type PW331H w/Option Board (12.5 kHz)	MDH25KCH4AN6AEASP1
GP380 VHF 5T	ATEX Type PW311H w/Option Board (25.0 kHz)	MDH25KCH6AN6AEASP1
GP580 VHF S/Zone	ATEX Type PW331H (12.5 kHz)	MDH25KCH4GC6AEA
GP580 VHF S/Zone	ATEX Type PW311H (25.0 kHz)	MDH25KCH6GC6AEA
GP680 VHF MPT	ATEX Type PW331H (12.5 kHz)	MDH25KCH4CK6AEA
GP680 VHF MPT	ATEX Type PW311H (25.0 kHz)	MDH25KCH6CK6AEA
GP680 VHF MPT	ATEX Type PW331H w/Option Board (12.5 kHz)	MDH25KCH4CK6AEASP1
GP680 VHF MPT	ATEX Type PW311H w/Option Board (25.0 kHz)	MDH25KCH6CK6AEASP1
PTX760 Ex VHF	ATEX Type PFKP (12.5 kHz)	AZH25KCH4CK6
PTX760 Ex VHF	ATEX Type PFKP (25 kHz)	AZH25KCH6CK6

An antenna type PMAE4002A, type PMAE4003A, type PMAE4016A, type NAE6483AR or type NAE6522AR is connected to the radio in the UHF version.

An antenna type PMAD4012A, type PMAD4013A, type PMAD4014A, type PMAD4015A, type PMAD4023A or type PMAD4025A is connected to the radio type in the VHF version.

For the supply of the radio the battery type NNTN5510xx is used. The battery will be charged only outside the hazardous area.

Inside the hazardous area the radio must be used within one of the listed leather cases:

GMLN1110A or GMLN1110B,
GMLN1111A or GMLN1111B,
GMLN1112A or GMLN1112B,
GMLN1113A or GMLN1113B

With the leather cases a carry belt type NTN5243A can be used.

Alternatively inside the hazardous area the radio must be used within one of the listed carry cases:

MDRLN4815A or
MDHLN6602A

For the categories II 2G, I M2 and II 3 D a Motorola Remote Speaker Microphone type GMMN1111A can be connected to the radio according the EC-Type Examination Certificate with the 1st and 2nd supplement. Instead of the normal clip the clip type RLN6258A can be used.

The Motorola Remote Speaker Microphone type GMMN1111A is only connected outside hazardous area. The changing of the clips is only allowed outside hazardous areas.

For the category II 2G the following accessories can be connected to the radio:

GMLN1108A	adaptor type GP340/Ex (TÜV 04 ATEX 2485) only for use with ELB4638B, ELB4640B or EDN7702B
GMLN1109A	hear-/speak system type ContactCom/Ex-1 (TÜV 03 ATEX 2100) with connector/adapter type GP340/Ex (TÜV 04 ATEX 2485)
GMLN1114A	hear-/speak system type PTT/Ex-1 (TÜV 03 ATEX 2124) with ASR headset/Ex (TÜV 03 ATEX 2020) – supplied from the radio with the connector/adapter type GP340/Ex (TÜV 04 ATEX 2485)
GMLN1117A	hear-/speak system type PTT/Ex-1 (TÜV 03 ATEX 2124) with connector/adapter type GP340/Ex (TÜV 04 ATEX 2485)
ELN4638B	hear-/speak system type Contact Com/Ex-1 with 12 pin plug (TÜV 03 ATEX 2100)

EDN7702B PTT hear-/speak system type PTT/Ex-1 (TÜV 03 ATEX 2124)
with ASR headset/Ex (TÜV 03 ATEX 2020) – supplied from the radio

ELN4640B lightweight headset 12 pin connector Type PTT/Ex-1 (TÜV 03 ATEX 2124)

These accessories are only connected outside the hazardous area to the radio.

The permitted ambient temperature range for the radio, the battery and the Remote Speaker Microphone is $-20\text{ °C} \leq T_a \leq +50\text{ °C}$.

In combination with the listed accessories type GMLN1108A, type GMLN1109A, type GMLN1114A, type GMLN1117A, type ELN4638B, type EDN7702BPPTT and type ELN4640B the permitted ambient temperature range is $-20\text{ °C} \leq T_a \leq +40\text{ °C}$.

Parameters

1. Electrical data for the UHF version

frequency range	403 – 470 MHz
output power	
in normal operation	1 W
under fault conditions (ib)	< 2 W

2. Electrical data for the VHF version

frequency range	136 – 174 MHz
output power	
in normal operation	1 W
under fault conditions (ib)	< 2 W

3. Ambient temperature range

for the radio, the battery and the Remote Speaker Microphone	$-20\text{ °C} \leq T_a \leq +50\text{ °C}$
in combination with the permitted accessories type GMLN1108A, type GMLN1109A, type GMLN1114A, type GMLN1117A, type ELN4638B, type EDN7702BPPTT and type ELN4640B	$-20\text{ °C} \leq T_a \leq +40\text{ °C}$

The Essential Health and Safety Requirements of the modified equipment and the Remote Speaker Microphone are assured by compliance with:

EN 50014:1997+A1-A2
EN 50020:2002

General requirements
Intrinsic safety 'i'

EN 50281-1-1:1998 +A1

Dust explosion protection

The marking of the equipment shall include the following:



II 2G EEx ib IIC T4
I M2 EEx ib I
II 3D IP5x T 60 °C

Special conditions for safe use

None

Test and assessment report

BVS PP 05.2054 EG as of 18.10.2006

EXAM BBG Prüf- und Zertifizier GmbH

Bochum, dated 18. October 2006

Signed: Dr. Jockers

Signed: Dr. Wittler

Certification body

Special services unit

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 09.11.2006
BVS-Ha/Mi A 20060318

EXAM BBG Prüf- und Zertifizier GmbH



Certification body



Special services unit