



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:  issue No.:

Status:

Date of Issue: **2010-07-08** Page 1 of 3

Applicant: **Entel UK Limited**  
320 Centennial Avenue  
Centennial Park  
Elstree  
Borehamwood  
Herts WD6 3TJ  
United Kingdom

Electrical Apparatus: **Handheld Radio Transceiver HT500**  
*Optional accessory:*

Type of Protection: **Intrinsic Safety**


Marking: **Ex ib IIA T4 Gb**  
Note: IEC 60079-0:2007 Edition 5 was used for guidance in respect of marking

Approved for issue on behalf of the IECEx Certification Body: **C Ellaby**

Position: **Certification Officer**

Signature:  
(for printed version)

Date:

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**2010-07-08**  

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1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**SIRA Certification Service**  
Rake Lane  
Eccleston  
Chester  
CH4 9JN  
United Kingdom

**sira**  
CERTIFICATION



# IECEX Certificate of Conformity

Certificate No.: IECEx SIR 10.0097X

Date of Issue: 2010-07-08

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Manufacturer: **Entel UK Limited**  
320 Centennial Avenue  
Centennial Park  
Elstree  
Borehamwood  
Herts WD6 3TJ  
**United Kingdom**

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition: 4.0

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

[GB/SIR/ExTR10.0164/00](#)

#### Quality Assessment Report:

[GB/ITS/QAR09.0010/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Handheld Radio Transceiver HT Series is comprised of a range of hand held battery powered portable two way radios. Each model has a plastic enclosure containing printed circuit boards and a keypad. Models not fitted with a liquid crystal display are indicated below in the listing of the model range. A transmit/receive antenna is mounted externally by a screw connection. The battery supply is contained in a separate pack which is attached to the main enclosure by plastic clips and secured by a locking screw. The battery supply comprises two rechargeable lithium ion cells connected in series. The battery pack maintains intrinsic safety when separated, permitting removal in a hazardous area. The battery pack shall not be recharged in a hazardous area.

For the full range refer to the Annexe.

### CONDITIONS OF CERTIFICATION: YES as shown below:

- 1 The equipment battery pack shall only be recharged with dedicated Entel battery re-charging equipment.
- 2 The equipment battery pack shall not be recharged in a hazardous atmosphere.
- 3 Refer to the certificate annexe for the permitted accessories.

**Annexe to:** IECEx SIR 10.0097X Issue 0  
**Applicant:** Intel UK Limited  
**Apparatus:** Handheld Radio Transceiver HT500



The new HT500 models within this range are as follows:-

**HT500 series model range:**

**UHF(400-520MHz)**

3-key, no LCD	HT582, HT582U, HT582S, HT582SU, HT582T, HT582TU, HT582R, HT582RU
3-key, LCD	HT583, HT583U, HT583S, HT583SU
8-key, LCD	HT585, HT585U, HT585T, HT585TU, HT585R, HT585RU
8-key+0-9, LCD	HT586, HT586U, HT586T, HT586TU, HT586R, HT586RU

**VHFL(66-88MHz)**

3-key, no LCD	HT512, HT512S, HT512T, HT512R
3-key, LCD	HT513, HT513S
8-key, LCD	HT515, HT515T, HT515R
8-key+0-9, LCD	HT516, HT516T, HT516R

**VHF(136-174MHz)**

3-key, no LCD	HT522, HT522S, HT522T, HT522R HT542
3-key, LCD	HT523, HT523S
7-key, LCD	HT544
8-key, LCD	HT525, HT525T, HT525R
8-key+0-9, LCD	HT526, HT526T, HT526R

An external multi-pin screw threaded connector is provided for earphone and microphone accessories. Only the specified types of accessories are permitted for use in hazardous areas.

The following accessories are permitted for use with all models:

- CMP500 speaker/microphone
- EA19/950 earpiece microphone
- EA15/950 ear/microphone
- CHP950HD ear defender
- CHP950HS ear defender