

**Repair**

The device contains no user-serviceable parts. It is advisable to follow any legal requirements for periodic inspections as per safety regulations and guidelines. If the device malfunctions and requires repair, do not attempt to open or fix it, as improper handling can result in device damage, fire, or explosion. Only authorized personnel are permitted to perform repairs. Please contact your vendor or HAEXC Mobile Pte. Ltd.

**SAR (Specific Absorption Rate) Information**

The SAR limit in Europe is 2.0 W/kg for the head and body, and 4.0 W/kg for the limbs, based on a tissue mass of 10 grams. The device has been tested against this SAR limit. The highest SAR values reported during product certification are 0.77 W/kg when used at the ear, 1.47 W/kg when properly worn on the body, and 3.82 W/kg for the limbs. Accessories such as belt clips and holsters should not have any metallic components. Using accessories that do not meet these specifications may result in non-compliance with RF exposure standards and should be avoided.

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**FP103Ex**

**ATEX / IECEx  
ZONE 1/21**

**SAFETY MANUAL**



These safety instructions provide important information and regulations that must be followed. Failure to adhere to these guidelines can lead to serious consequences and may result in regulatory violations. Please read these instructions thoroughly before using the device for the first time. If there are any discrepancies, the information in the Ex-safety manual will take priority. In case of any uncertainties, such as translation or printing errors, the English version should be considered authoritative.

**ATEX:**

 II 2 G Ex ib IIC T4 Gb  
II 2 D Ex ib IIIC T130°C Db

ATEX Certificate: TÜV 24 ATEX 9195 X

**IECEX:**

Ex ib IIC T4 Gb  
Ex ib IIIC T130°C Db

IECEX Certificate: IECEX TUR 24.0075X

**Ambient Temperature Range:** -20°C ≤ Ta ≤ +55°C

The Ex-specified ingress protection level of IP64 differs from the standard industrial IP rating because of the additional enclosure tests mandated by IEC 60079-0, along with the tests outlined in IEC 60529.

**WARNINGS**

-  **RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE, USE ONLY HAEXC BP-FP103Ex BATTERY PACK**
-  **DO NOT OPEN DEVICE IN HAZARDOUS AREAS**
-  **DO NOT CHARGE BATTERY IN HAZARDOUS AREAS**

**Ex-Safety Regulations**

Using this device implies that the operator adheres to standard safety regulations and has read and comprehended the User Manual, Safety Manual, and certificate.

When operating in areas with explosion hazards, the following safety instructions must also be followed:

-  All interface covers must be securely closed in areas with explosion hazards.
-  To maintain IP protection, it is essential to ensure that all gaskets are intact and functioning. There should be no significant gaps between the two halves of the housing or between the battery and the housing.
-  The device should only be charged outside of explosion hazardous areas using the adapter and cable specifically provided by HAEXC Mobile Pte. Ltd.
-  The device must not be exposed to any aggressive acids or alkalis.
-  The device should only be charged at ambient temperatures ranging from 0°C to +45°C.
-  The device is permitted for use solely in Zone 1/21 and Zone 2/22

**Faults and Damages**

If there is any reason to believe that the device's safety has been compromised, it must be immediately taken out of service and removed from any explosion-hazardous areas.

Steps should be taken to prevent any accidental restart of the device. The device's safety may be at risk in the following situations:

-  Malfunctions occur.
-  The device's housing is damaged.
-  The device has been subjected to excessive loads.
-  The device has been improperly stored.
-  Markings or labels on the device are unreadable.

**Safety Information**

-  Do not place the device in environments with extreme temperatures, as this may cause the battery to overheat, potentially leading to fire or explosion.
-  Do not charge the device near flammable or explosive materials. Charge it only in safe indoor conditions.
-  Only charge the battery when in the non-hazardous area and using an adapter specifically supplied by HAEXC Mobile Pte. Ltd. for use with the unit.
-  Only install TF/SIM cards or replace battery pack outside explosion hazardous areas.
-  The rubber plugs of the Type-C USB must be properly installed and closed in hazardous locations. The USB port only can be connected with the USB downloader specifically supplied by HAEXC Mobile Pte. Ltd.
-  The device shall be protected against excessive UV light emission
-  The device must be protected from impact with high impact energy.
-  Refrain from using the device in areas where its use is restricted by regulations or legislation.
-  Do not expose the device or charger to strong magnetic fields, such as those generated by induction cooktops or microwaves.
-  Use only accessories that have been approved by HAEXC Mobile Pte. Ltd.
-  To avoid potential hearing damage, do not listen at high volume for extended periods.
-  Adhere to all relevant laws in the respective countries concerning the use of devices while driving a vehicle.
-  Please turn off the device and unplug the charging cable before cleaning it.
-  Do not use any chemical cleaning agents on the device or charger. Instead, clean them with a damp, anti-static soft cloth.
-  Do not throw away old or discarded lithium batteries in the trash; instead, take them to designated waste disposal sites.
-  Except for the battery cover, the device's enclosure must not be disassembled under any circumstances.
-  The user is solely responsible for any damages and liabilities resulting from malware downloaded while using the network or other data-exchange features of the device. HAEXC Mobile Pte. Ltd. will not be held liable for any such claims.