

# iTALK310-is

Radio Profesional PoC

Comunicación infalible,  
resistencia superior.

**Intrínsecamente Seguro.**

Revolucionando la Comunicación con  
Tecnología de Vanguardia, Durabilidad  
Extrema y Funciones Avanzadas para una  
Nueva Era en Radiocomunicación.



Android



4G



WiFi



NFC



GPS

Intrínsecamente  
Seguro



## GENERAL

El iTALK-310is es un radio intrínsecamente seguro diseñado para la industria del petróleo y gas, ofreciendo comunicación confiable en las condiciones más desafiantes. Con una pantalla a color de 2.0 pulgadas y un altavoz potente con reducción de ruido, este dispositivo asegura una comunicación clara y efectiva. Equipado con funciones avanzadas como GPS, NFC para patrullas de seguridad y una batería de larga duración, el iTALK-310is es la elección ideal para entornos peligrosos.

Con capacidades como Dual-SIM, GPS, WiFi y NFC para rondas de vigilancia, el iTALK310is se posiciona como una herramienta esencial en operaciones de seguridad. Además, su servicio iTALK Smart SIM permite comunicaciones internacionales a través de redes móviles 2G/3G/4G, y su función de anuncio de voz mejora la eficacia operativa, haciendo del iTALK310is un aliado indispensable en el campo de la industria de Petróleo y Gas.



## BENEFICIOS



### Comunicaciones Mundiales

Funciona con redes 2G/3G/4G y Wi-Fi para una máxima cobertura de comunicación. Llamadas individuales, comunicación grupal de manera inmediata.



### Anuncios y notificaciones de voz

Toda la información, incluyendo el estatus de los grupos puede ser transmitida por comandos de voz, lo que hace que cada operación sea recibida claramente.



### Localización exacta

Posicionamiento exacto por GPS de máxima eficiencia y precisión.



### Control de Rondas PatrolSync™

Bluetooth, GPS y NFC integrados para que tengas la mayor funcionalidad sin sacrificar portabilidad y comfort. Mayor cantidad de aplicaciones: Control de Rondas - Turnos y Horarios y más...



### Batería de alta capacidad

Con una batería de 2,400mAh o 5,200 mAh (opcional) de alta capacidad, puedes confiar que la batería te dura toda la jornada de trabajo bajo condiciones fuertes.



### Confiable y durable

Protección IP67 y estándar MIL-STD-810G sobrepasan los requerimientos para los servicios más exigentes.

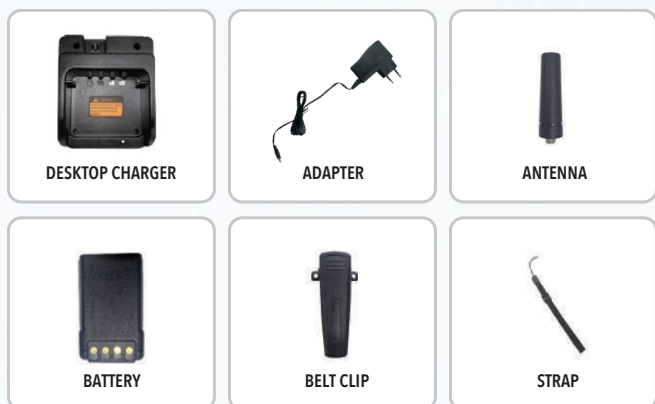
# iTALK 310-is

Radio Profesional PoC - Intrinsicamente Seguro

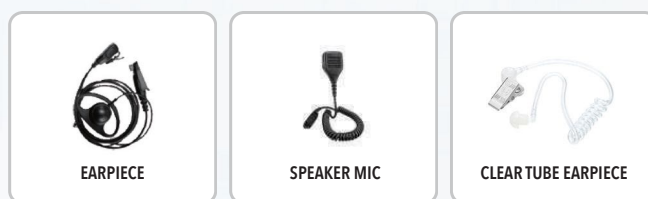
## Especificaciones

Redes de funcionamiento	<b>Asia-Pacific Version:</b> TDD-LTE: B38/B39/B40/B41 FDD-LTE: B1/B3/B5/B8 TD-SCDMA: B34/B39, EVDO/CDMA: BC0 WCDMA: B1/B8 GSM: 900/1800MHz	<b>Europe-Africa Version::</b> LTE FDD: B1/B3/B5/B7/B8/B20 LTE TDD: B38/B40/B41 WCDMA: B1/B5/B8 GSM: 850/900/1800/1900MHz
	<b>North America:</b> LTE FDD: B2/B4/B5/B7/B12/B13/B25/B26 WCDMA: B1/B2/B4/B5/B8 GSM: 850 / 1900MHz	<b>Australia Version:</b> LTE FDD: B1/B3/B5/B7/B8/B28 LTE TDD: B40 WCDMA: B1/B2/B5/B8 GSM: 850/900/1800/1900MHz
Mandown	Disponible	
Sistema Operativo	Android 7.1	
Batería	3.8V 4000mAh, opcional 5,200 mAh alta capacidad	
Wi-Fi	2.4GHz/5GHz	
SIM Card	Nano, Dual-Sim Card	
Posicionamiento	GPS	
NFC	Si	
Dimensiones	108mm x 56mm x 37mm	
Peso	≤ 270g (Incluyendo el clip)	
Display	No	
Temperatura de Operación	-20°C + 60°C	
Temperatura de Almacenaje	-30°C + 70°C	
Nivel de Protección	IP67	

## ACCESORIOS ESTANDARD



## ACCESORIO OPCIONAL



iTALKPTT Latam  
Email: [info@italkpttlatam.com](mailto:info@italkpttlatam.com)  
Website: [www.italkpttlatam.com](http://www.italkpttlatam.com)

Americas | iTALKPTT Corporation  
Email: [sales@italkptt.com](mailto:sales@italkptt.com)  
Website: [www.italkptt.com](http://www.italkptt.com)

South Africa | Radiosource Telecoms  
Email: [sales@italkptt.co.za](mailto:sales@italkptt.co.za)  
Website: [www.italkptt.co.za](http://www.italkptt.co.za)





# Mining And Surface Certification (Pty) Ltd

(Pty) Ltd: 2015/021934/07

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

<b>IA CERTIFICATE</b>	MASC MS/24-8046X	<b>Issue</b>	0
<b>Issue Date</b>	14 February 2024	<b>Expiry Date</b>	14 February 2034
<b>Applicant</b>	Radiosource Telecoms (Pty) Ltd., Radio Source House, 53 St Andrews Drive, Durban North, South Africa		
<b>Manufacturer</b>	Radiosource Telecoms (Pty) Ltd., Radio Source House, 53 St Andrews Drive, Durban North, South Africa		
<b>Description</b>	The i-TALK-310 radio is a portable two-way radio powered by a KB-300B, Li-Ion intrinsically safe battery pack. The handset houses a PCB with electronics and has a facility to clip the battery on to the back of the handset. The safety components are housed in the battery pack and are fully encapsulated.		
<b>Equipment</b>	i-TALK-310 Radio		
<b>Photo</b>			
<b>MARKING:</b>	<b>Applicant / Manufacturer Type</b>	Radiosource Telecoms (Pty) Ltd	
	<b>Ex Marking</b>	iTALK-310 Radio Ex ib IIC T4 Gb Ex ia I Ma	
	<b>IA Number</b>	MASC MS/24-8046X	
	<b>Serial Number</b>	See "Annex A" below	
	<b>WARNINGS</b>	"Do not charge/replace batteries in the hazardous area." "Static hazard may exist. Wipe only with a damp cloth"	
	<b>Safety Parameters</b>	See "Annex A" below	
<b>Compliance:</b>			
The equipment as described above and in MASC report <b>24-8046</b> has been allocated the rating <u>Explosion Protected Ex ib IIC T4 Gb and Ex ia I Ma</u> utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> <li>SANS (IEC) 60079-0:2019 General requirements</li> <li>SANS (IEC) 60079-11:2012 Equipment protected by intrinsic safety "i"</li> <li>ARP 0108: 2018 Regulatory requirements for explosion protected apparatus.</li> </ul>			
<b>Special conditions of safe use X:</b>			
<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>			
<b>Conditions of manufacture:</b>			
<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>			
 <b>S. Jordaan</b> <b>TECHNICAL OFFICER</b>		<b>C. Welthagen</b> <b>TECHNICAL SPECIALIST</b>	
<p style="text-align: center;"><b>This certificate only covers the sample submitted and does not cover production units.</b></p> <p>According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).</p>			



Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:

- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;
- Any restrictions and conditions enforced by the chief inspector of mines, principal inspector (Group I equipment) or chief inspector of factories (Group II equipment).

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Mining And Surface Certification (Pty) Ltd  
Unit 5 Lelyta Park, 45 Jurg Ave. Hennospark Ext 87  
Centurion, 0157



# IA CERTIFICATE: MASC MS/24-8046X iTALK-310 Radio

## ANNEX A

Description	Enclosure	Populated	Unpopulated
		General	The i-TALK-310 radio is a portable two-way radio powered by a KB-300B, Li-Ion intrinsically safe battery pack. The handset houses a PCB with electronics and has a facility to clip the battery on to the back of the handset. The safety components are housed in the battery pack and are fully encapsulated.
<b>Standard compliance</b>	See "certificate" above		
<b>Warnings</b>	"Do not charge/replace batteries in the hazardous area." "Static hazard may exist. Wipe only with a damp cloth"		
<b>Conditions of Certification</b>			
According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory.) and be identifiable by a unique and traceable serial number.			
<b>Special Conditions of safe use (X)</b>	<ul style="list-style-type: none"> <li>• Only charge / replace batteries in the safe area.</li> <li>• Static hazard may exist. Wipe only with damp cloth.</li> <li>• The radio may only be powered by the approved KB-300B battery.</li> <li>• The RF power output must be limited to 6W for <b>Group IIA</b>.</li> <li>• The RF power output must be limited to 3.5W for <b>Group IIB</b>.</li> <li>• The RF power output must be limited to 2W for <b>Group IIC</b>.</li> <li>• The RF power output must be limited to 500mW for <b>Group I</b>.</li> </ul>		
<b>Conditions of manufacture</b>	<ul style="list-style-type: none"> <li>• The PCB and components of the battery and radio must be fully encapsulated.</li> </ul>		

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While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

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<b>IA CERTIFICATE</b>	MASC MS/24-8045X	<b>Issue</b>	0
<b>Issue Date</b>	07 February 2024	<b>Expiry Date</b>	07 February 2034
<b>Applicant</b>	Radiosource Telecoms (Pty) Ltd., Radio Source House, 53 St Andrews Drive, Durban North, South Africa		
<b>Manufacturer</b>	Radiosource Telecoms (Pty) Ltd., Radio Source House, 53 St Andrews Drive, Durban North, South Africa		
<b>Description</b>	The KB-300B Two-Way Radio Battery Pack is a 3.7V Lithium Ion battery pack. The battery clips onto the back of the iTALK PTT and iTALK-310 radios. The unit has approximate dimensions of 120mm x 48mm x 20mm and is made from black plastic. The safety components are housed in the battery pack.		
<b>Equipment</b>	Battery Pack	<b>Type</b>	KB-300B
<b>Photo</b>			
<b>MARKING:</b>	<b>Applicant / Manufacturer</b>	Radiosource Telecoms (Pty) Ltd	
	<b>Type</b>	KB-300B	
	<b>Ex Marking</b>	Ex ib IIC T4 Gb Ex ia I Ma	
	<b>IA Number</b>	MASC MS/24-8045X	
	<b>Serial Number</b>	See "Annex A" below	
	<b>Safety Parameters</b>	See "Annex A" below	
	<b>Warning</b>	The battery should not be charged in a hazardous area. Static hazards may exist, wipe only with a damp cloth.	
<b>Compliance:</b>			
The equipment as described above and in MASC report 24-8045 has been allocated the rating <u>Explosion Protected Ex ib IIC T4 Gb and Ex ia I Ma</u> utilizing the SANS/IEC Standards:			
<ul style="list-style-type: none"> <li>SANS (IEC) 60079-0:2019 General requirements</li> <li>SANS (IEC) 60079-11:2012 Equipment protected by intrinsic safety "i"</li> <li>ARP 0108:2014 Regulatory requirements for explosion-protected apparatus</li> </ul>			
<b>Special conditions of safe use X:</b>			
<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>			
<b>Conditions of manufacture:</b>			
<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>			
 <b>S. Jordaan</b> <b>TECHNICAL OFFICER</b>		<b>C. Welthagen</b> <b>TECHNICAL SPECIALIST</b>	

**This certificate only covers the sample submitted and does not cover production units.**

According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).



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- SANS 10086 requirements;
- Any conditions mentioned in the above certificate;
- Any relevant requirements of the MHS Act and code of practice enforced in terms of regulations 21.17.2 of the minerals act;
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Centurion, 0157

# IA CERTIFICATE: MASC MS/24-8045X KB-300B

## ANNEX A

Description	Enclosure	Populated	Unpopulated
	General	The KB-300B Two-Way Radio Battery Pack is a 3.7V Lithium Ion battery pack. The battery clips onto the back of the iTALK PTT and iTALK-310 radios. The unit has approximate dimensions of 120mm x 48mm x 20mm and is made from black plastic. The safety components are housed in the battery pack.	
<b>Safety Parameters</b>	U <sub>o</sub> = 4.2 V P <sub>o</sub> = 9.35 W		
<b>Standard compliance</b>	See "certificate" above		
<b>Warnings</b>	A static hazard may exist, wipe only with a damp cloth.		
<b>Conditions of Certification</b>			
According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion-protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory.) and be identifiable by a unique and traceable serial number.			
<b>Special Conditions of safe use (X)</b>	<ul style="list-style-type: none"> <li>• The battery may only be recharged in the safe area.</li> <li>• The battery may only be replaced in a safe area.</li> <li>• A static hazard may exist, wipe only with a damp cloth.</li> </ul>		
<b>Conditions of manufacture</b>	<ul style="list-style-type: none"> <li>• The boards must be potted with a compound capable of withstanding 9.35W.</li> </ul>		

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