



# Remote Speaker Microphone

## RSM-EX01B..-D2NAM-1BBLESCST

- Extremely long operating times with high voice volume – Up to 78 hours
- Outstanding volume and sound performance – Up to 103 dB
- Good operability, even with gloves
- Lone worker ready (optional SOS button)
- Additional multi-functional buttons and a dedicated SOS button
- 2200 mAh Li-ion battery pack for a long operating time
- Linguistic feedback when changing individual modes
- Magnetic charging cable and optional charging cradle
- IoT Ready: "Custom Service Load" allows individual button settings for sending custom commands to servers and other IoT switches - e.g. to open a gate (only for Ex-Handy 10 Series)

RSM-Ex 01, Bluetooth, Division 1, version for Northern America



### Connection

Division 2



### Technical Data

#### Indicators/operating means

Key	<ul style="list-style-type: none"> <li>Push-to-talk button operable with thick gloves</li> <li>Front-facing multi-function button</li> <li>Volume up / down</li> <li>Channel up / down</li> <li>On/Off switch</li> <li>Red Button</li> </ul>
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#### Audio data

Sound level	up to 103 dB
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#### Electrical specifications

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## Technical Data

Battery type	Li-Ion battery 3,7 V 2200 mAh
Operating duration	Stand-by time: approx. 74 h Actual use/operating time depending on use and set sound level (See table "Run times")
<b>Interface</b>	
I/O ports	3.5 mm jack connection
<b>Communication</b>	
Bluetooth	yes
NFC	yes
<b>Software</b>	
Applications	ESChat SPP and BLE
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
<b>Mechanical specifications</b>	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEX) IP 67 following EN/IEC 60529 (industrial standard)
<b>International approvals</b>	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	CI I, II, III, Division 2, Groups A-G, T4 CI I Zn 2, AEx ic IIC T4 Gc CI II Zn 22, AEx ic IIIC T135°C Dc Ex ic IIC T4 Gc Ex ic IIIC T135°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX IBE 20.0004X
IECEX marking	Ex ia IIC T4 Ga Ex ia IIIC T135°C Db IP 64 Ex ia I Ma
Approved for	Northern America
<b>General information</b>	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

## Operation

Run times\*\*

Use time in % with typical user profiles speak/hear/standby	100% (Level 15 media; Level 8 phone call)	75% (Level 10 media; Level 4 phone call)	25% (Level 3 media; Level 2 phone call)
5 / 5 / 90	50 h	64 h	71 h
25 / 25 / 50	22 h	44 h	64 h
50 / 50 / 0	13 h	31 h	57 h

\*\*determined runtimes on the Smart-Ex 02 based on RSM-Ex 01 BT software version 1.0.0