

# Data Sheet RSM-Ex 01

## Remote Speaker

### Microphone for Zone 1/2/1



**ATEX**



Ⓜ II 2G Ex ib IIC T4 Gb  
 Ⓜ II 2D Ex ib IIIC T135°C Db IP64  
 Ⓜ I M2 Ex ib I Mb

**IECEX**



Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db IP64  
 Ex ib I Mb

**SGS (NEC / CEC)**



CI, II, III, Division 1, Groups A-G, T4, T135°C  
 CI I Zn 1, AEx ib IIC T4 Gb  
 CI II Zn 21, AEx ib IIIC T135°C Db  
 CI I, Zn 1, Ex ib IIC IIC T4 Gb  
 CI II, Zn 21, Ex ib IIIC T135°C Db

**Technical Data**

<b>Loudspeaker performance</b>	Up to 103 dB			
<b>Power supply</b>	Li-Ion 2200 mAh			
<b>Charging</b>	<ul style="list-style-type: none"> <li>Charging cable and docking station with magnetic charging plug: similar concept to Smart-Ex® 01 or Ident-Ex® 01. A docking station without any electronics and a mounting option for the charging plug.</li> <li>Optical charging level indication (multiple LEDs)</li> </ul>			
<b>Connector</b>	<ul style="list-style-type: none"> <li>Plug, 3.5 mm, 4-pin, straight, with lock (Smart-Ex® 01 / Ex-Handy 09) or</li> <li>Plug, 3.5 mm, 4-pin, right-angled or</li> <li>Plug, 3.5 mm, 4-pin, straight or</li> <li>Plug, 3.5 mm, 4-pin, straight, Next Generation (Smart-Ex® 02 / Ex-Handy 10) or</li> <li>Plug, 3.5 mm, 4-pin, right-angled, Next Generation (Ex-Handy 10)</li> </ul>			
<b>Connection</b>	Socket, 3.5 mm, for headset			
<b>Buttons</b>	<ul style="list-style-type: none"> <li>PTT button operable with thick gloves</li> <li>Front-facing multi-function button</li> <li>Lone worker ready (Red Button)</li> <li>IOT ready (4 standard Google intents usable and/or optional 4 additional Android Intents)</li> <li>Build in NFC Technologie</li> </ul>			
<b>Run times**</b>	<b>Use time in % with typical user profiles speak/hear/standby</b>	<b>Noisy areas with sound level above 100 dB</b>	<b>Noisy areas with sound level between 84 and 100 dB</b>	<b>Noisy areas with sound level up to 84 dB</b>
	5 / 5 / 90	-> 55 h	-> 72 h	-> 72 h
	25 / 25 / 50	-> 28 h	-> 70 h	-> 71 h
	50 / 50 / 0	-> 17 h	-> 67 h	-> 69 h
		Highest noise level (8/8)*	Very high noise level (4/8)*	High noise level (2/8)*
*There are 8 different volume levels possible. **determined runtimes on the Smart-Ex® 01 based on RSM-Ex 01 software version V 16				
<b>Standby time</b>	Approx. 75 hours after commissioning via the 3.5 mm jack of an Android or Windows device			
<b>Temperature range</b>	Ta = -20...+55°C			
<b>IP rating</b>	IP 64 according to EN/IEC 60079-0 (ATEX/ IECEx) IP 65 / 67 according to EN/IEC 60529 (industrial standard)			
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Removable belt clip</li> <li>Charging cable</li> <li>Docking station (optional)</li> <li>Connection of additional headsets (optional)</li> </ul>			