Дистанционные динамики-микрофоны

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data	
Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ESChat SPP and BLE
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, II, Division 2, Groups A-G, T4 Cl I Zn 2, AEx ic IIC T4 Gc Cl 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
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01B..-Z0EUR-1BBL...ST

- 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, Zone 0/21, version for Europe

Connection

Technical Data

Indicators/operating means

Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ECOM Standard
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU20ATEX1025 X
ATEX marking	⟨Ex⟩ II 1G Ex ia IIC T4 Ga ⟨Ex⟩ II 2D Ex ia IIIC T135°C Db IP 64 ⟨Ex⟩ I M1 Ex ia I Ma
International approvals	
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	Europe
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01B..-Z2EUR-1BBL...ST

- 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)
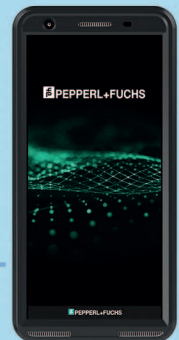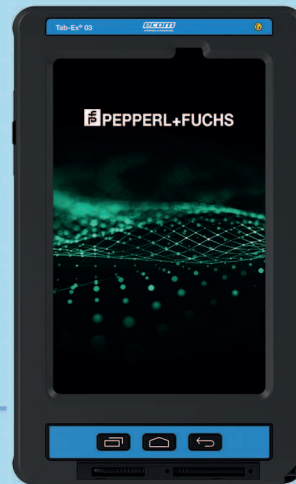
RSM-Ex 01, Bluetooth, Zone 2/22, version for Europe

Connection

Technical Data

Indicators/operating means

Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ECOM Standard
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU20ATEXB007 X
ATEX marking	ⓒ II 3G Ex ic IIC T4 Gc X ⓒ II 3D Ex ic IIIC T135°C Dc IP 64 X
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 20.0004X
IECEx marking	Ex ic IIC T4 Gc X Ex ic IIIC T135°C Dc IP 64 X
Approved for	Europe
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01B..-D1NAM-1BBL...ST

- 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 1

Technical Data

Indicators/operating means

Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ECOM Standard
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, III, Div.1, GRPS A-G, T4, T135°C Cl I, Zn 1, AEx ib IIC T4 Gb IP64 Cl II, Zn 21, AEx ib IIIC T135°C Db IP64 Cl I, Zn 1, Ex ib IIC T4 Gb IP64 Cl II, Zn 21, Ex ib IIIC T135°C Db IP64
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
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

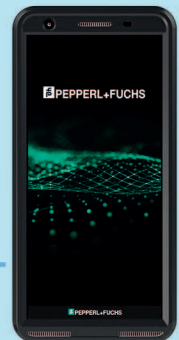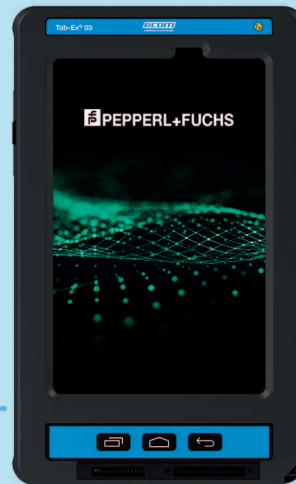# Remote Speaker Microphone
RSM-EX01B..-D2NAM-1BBL...ST

- 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	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data	
Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ECOM Standard
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, II, Division 2, Groups A-G, T4 Cl I Zn 2, AEx ic IIC T4 Gc Cl 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
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01SNG-Z1EUR-1IWN...AI

- 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 (with Red 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, wired, Zone 1, straight 3.5 mm plug for Smart-Ex 02 and Ex-Handy 10, Audio Improvement, with Red Button, version for Europe

CE   Ex

Technical Data

General specifications	
Description	Audio Improved Version
Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, straight, Next Generation (Smart-Ex 02 / Ex-Handy 10)
Cable	coiled
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db IP64 ⟨Ex⟩ I M2 Ex ib I Mb
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking		Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for		Europe
General information		2
Scope of delivery		RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
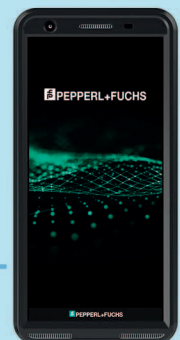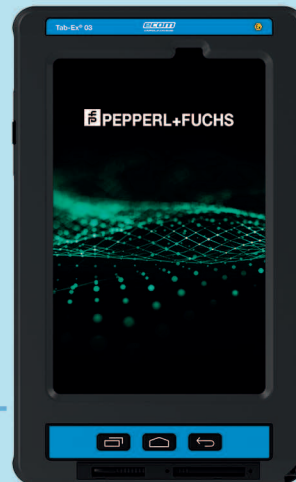# RSM-EX01B..-D1NAM-1BBLMOTST

- 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, Motorola WAVE™, Division 1, version for Northern America

Connection

Division 1

Technical Data

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down Channel up / down On/Off switch Red Button

Audio data	
Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Connections	Motorola WAVE™ For all Android™ and Apple iOS devices (including the latest Tab-Ex® Series) connected via Bluetooth® Supported and tested PTT applications: Motorola WAVE™
Software	
Applications	Motorola WAVE™
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, III, Div.1, GRPS A-G, T4, T135°C Cl I, Zn 1, AEx ib IIC T4 Gb IP64 Cl II, Zn 21, AEx ib IIIC T135°C Db IP64 Cl I, Zn 1, Ex ib IIC T4 Gb IP64 Cl II, Zn 21, Ex ib IIIC T135°C Db IP64
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
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01B..-Z0AUS-1BBLSPPST

- 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, Serial Port Profile, Zone 0/21, Version für Australia

Connection

Zone 0/21

Zone 1/21

Technical Data

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	

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")
Interface		
I/O ports		3.5 mm jack connection
Communication		
Bluetooth		yes
NFC		yes
Connections		SPP (Serial Port Profile; PTT Commands) For all Android™ and Windows devices (including the latest Tab-Ex® Series) connected via Bluetooth® Supported and tested PTT applications: TASSTA T-Flex and should also work with other apps which support SPP Commands
Software		
Applications		Standard SPP (Serial Port Profile)
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals		
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		Australia
General information		
Scope of delivery		RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01B..-Z2AUS-1BBLSPPST

- 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, Serial Port Profile, Zone 2/22, version für Australia

Connection

Zone 2/22

Technical Data

Indicators/operating means

Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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")
Interface		
I/O ports		3.5 mm jack connection
Communication		
Bluetooth		yes
NFC		yes
Connections		SPP (Serial Port Profile; PTT Commands) For all Android™ and Windows devices (including the latest Tab-Ex® Series) connected via Bluetooth® Supported and tested PTT applications: TASSTA T-Flex and should also work with other apps which support SPP Commands
Software		
Applications		Standard SPP (Serial Port Profile)
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals		
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		Australia
General information		
Scope of delivery		RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01SNW-Z1EUR-1IWN...AI

- 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 (with Red 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, wired, Zone 1, right-angled 3.5 mm plug for Ex-Handy 10, Audio Improvement, with Red Button, version for Europe

Technical Data

General specifications	
Description	Audio Improved Version
Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, right-angled, Next Generation (Ex-Handy 10)
Cable	coiled
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	● II 2G Ex ib IIC T4 Gb ● II 2D Ex ib IIIC T135°C Db IP64 ● I M2 Ex ib I Mb
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking		Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for		Europe
General information		
Scope of delivery		RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01SG1-Z1EUR-1IWN...AI

- 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 (with Red 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, wired, Zone 1, straight 3.5 mm plug, Audio Improvement, with Red Button, version for Europe

CE ⟨Ex⟩

Technical Data

General specifications	
Description	Audio Improved Version
Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, straight
Cable	coiled
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db IP64 ⟨Ex⟩ I M2 Ex ib I Mb
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for	Europe
General information	2
Scope of delivery	RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01SW1-Z1EUR-1IWN...AI

- 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 (with Red 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, wired, Zone 1, right-angled 3.5 mm plug, Audio Improvement, with Red Button, version for Europe

CE   Ex

Technical Data

General specifications	
Description	Audio Improved Version
Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, right-angled
Cable	coiled
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db IP64 ⟨Ex⟩ I M2 Ex ib I Mb
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking		Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for		Europe
General information		2
Scope of delivery		RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
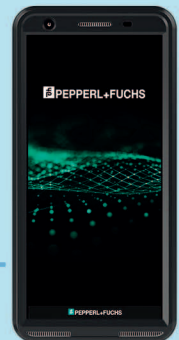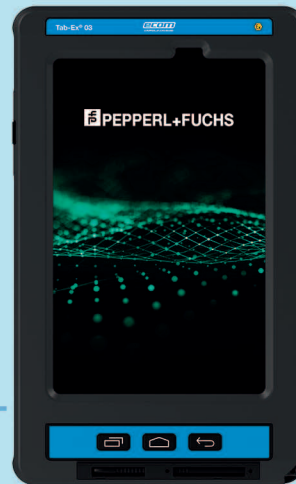
RSM-EX01SES-Z1EUR-1SWN...AI

- 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 (with Red 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, wired, Zone 1, straight 3.5 mm plug for Smart-Ex 01 and Ex-Handy 09, Audio Improvement, with Red Button, version for Europe

CE   Ex

Technical Data

General specifications	
Description	Audio Improved Version

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button

Audio data	
Sound level	up to 103 dB

Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")

Communication	
NFC	yes

Software

Ambient conditions

Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)

Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, straight, with lock (Smart-Ex 01 / Ex-Handy 09)
Cable	coiled

Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db IP64 ⟨Ex⟩ I M2 Ex ib I Mb

International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for	Europe
General information	
Scope of delivery	RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01B..-D1NAM-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 1

Technical Data

Indicators/operating means

Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button

Audio data

Sound level	up to 103 dB

Electrical specifications

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ESChat SPP and BLE
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
International approvals	
SGS approval	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, III, Div.1, GRPS A-G, T4, T135°C Cl I, Zn 1, AEx ib IIC T4 Gb IP64 Cl II, Zn 21, AEx ib IIIC T135°C Db IP64 Cl I, Zn 1, Ex ib IIC T4 Gb IP64 Cl II, Zn 21, Ex ib IIIC T135°C Db IP64
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
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01SNG-Z1JPN-1EWN...AI

- 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 (with Red 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, wired, Zone 1, straight 3.5 mm plug for Smart-Ex 02 and Ex-Handy 10, Audio Improvement, with Red Button, version for Japan

Technical Data

General specifications	
Description	Audio Improved Version
Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	
Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")
Communication	
NFC	yes
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Mechanical specifications	
Degree of protection	IP 64 following EN/IEC 60079-0 (ATEX/ IECEx) IP 65 IP 67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, straight, Next Generation (Smart-Ex 02 / Ex-Handy 10)
Cable	coiled
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU18ATEX1124 X
ATEX marking	⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db IP64 ⟨Ex⟩ I M2 Ex ib I Mb
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 18.0016X

Technical Data

IECEx marking		Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for		Japan
General information		2
Scope of delivery		RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone
RSM-EX01B..-Z0EUR-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, Zone 0/21, version for Europe

Connection

Zone 0/21

Zone 1/21

Technical Data

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ESChat SPP and BLE
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU20ATEX1025 X
ATEX marking	Ⓔ II 1G Ex ia IIC T4 Ga Ⓔ II 2D Ex ia IIIC T135°C Db IP 64 Ⓔ I M1 Ex ia I Ma
International approvals	
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	Europe
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Remote Speaker Microphone

RSM-EX01B..-Z2EUR-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, Zone 2/22, version for Europe

Connection

Technical Data

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves
	Front-facing multi-function button
	Volume up / down
	Channel up / down
	On/Off switch
	Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	

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")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ESChat SPP and BLE
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	IBExU20ATEXB007 X
ATEX marking	⟨Ex⟩ II 3G Ex ic IIC T4 Gc X ⟨Ex⟩ II 3D Ex ic IIIC T135°C Dc IP 64 X
International approvals	
IECEx approval	
IECEx certificate	IECEx IBE 20.0004X
IECEx marking	Ex ic IIC T4 Gc X Ex ic IIIC T135°C Dc IP 64 X
Approved for	Europe
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation