

RM780 IMPRES™ Remote Speaker Microphone

Hear and be heard clearly.



Your fleet needs to communicate without delay. Staff must be able to hear clearly and be heard clearly, even in loud environments.

Loud, clear speaker

Innovative audio technology enables you to hear and be heard over crowd noise, machinery and blaring sirens. Our wind- and water-shielding technology ensures audio is loud and clear.

Slim design

The sleek and modern RM780 is our thinnest wired remote speaker equipped with a low profile swivel clip for easy wearability keeping the RSM closer to your body.

Easy to use

Top volume rocker switch allows you to quickly and easily change system volume level and keep your eyes focused on what's in front of you. Two programmable buttons allow users to activate their most frequently used functions without even looking at the RSM.

Flexible wearing

Wear your RM780 RSM any way you want. The strategic placement of the microphones and enhanced water drainage provide users with the flexibility to wear it straight, upside down and even sideways while still delivering superior audio experience.

Work-When-Wet and IP68 certified

Rugged and dependable, the RM780 is ready for use in harsh environments and weather. Enhanced water drainage and top quality materials ensure you get the best audio experience.

Discreet listening

Tailor the RSM's performance to your individual needs with the 3.5mm jack to receive audio discreetly while plugging in a compatible earpiece accessory for private and confidential messages.



GENERAL SPECIFICATIONS

| | |
|---|---|
| RM780 remote speaker microphone | PMMN4128 |
| Dimensions L x W x D RSM head only, w/o clip | 77 mm x 58 mm x 25 mm 3.0 x 2.3 x 1.0 in. |
| Weight (complete kit with cable) | 212 g (7.48 oz) |
| Power source | Radio battery |
| Hot Microphone feature | Supported through radio software configuration. Please contact your regional sales representative for more information. |
| IMPRES™ | Yes |
| Clip | Low-profile 360 degree rotating clip |

MICROPHONE

| | |
|------------------|---------------------|
| Type | Omni directional |
| Sensitivity | -42 ± 3 dBV typical |
| Distortion (THD) | 5 %, wideband |
| Windporting | Yes |

CONTROLS

| | |
|-------------------|------------------------------------|
| Top | Emergency (orange), volume up/down |
| Side | PTT, 2 programmable buttons |
| Opposite PTT Side | 3.5 mm audio jack |

SPEAKER

| | |
|--------------------------------------|-----------------|
| Diameter | 47 mm (1.85 in) |
| Distortion (THD) | <15% |
| Max power | 3Wrms |
| Output level at maximum radio volume | 102 dB phon |

SECONDARY AUDIO ACCESSORY

| | |
|----------|---|
| PMLN8120 | Receive-only loud audio with translucent tube |
|----------|---|

COILED CABLE

| | |
|--------------------------|--------------------------------|
| Flex life | 100,000 cycles (minimum) |
| Pull strength | 40 lbs (minimum) |
| Cable length | 304 mm (12 in.) coiled section |
| Accessory connector case | Polycarbonate black |

CONTROLS

| | |
|-----------|---------------|
| MOTOTRBO™ | Ion, R7 |
| TETRA | MXP600 |
| APX™ | N70, N50, N30 |



ENVIRONMENTAL

| | |
|-----------------------|--|
| Operating temperature | -22°F to +140°F (-30°C to +60°C) |
| Storage temperature | -67°F to +185°F (-55°C to +85°C) |
| Humidity | 90% - 95% relative humidity at +50°C for 8 hours |
| Impact grill | 31.8 mm (1.25 in) diameter steel ball drop |
| ESD | IEC / EN 61000-4-2 |
| IP rating | Yes |
| Clip | Low-profile 360 degree rotating clip |

HAZARDOUS CERTIFICATION

Div 1: Class I (Group C, D), Class II (Group E, F, G), Class III
 Div 2: Class I (Group A, B, C, D)

REPLACEMENT PARTS

| | |
|----------|-----------------------------|
| PMLN8121 | Low profile swivel clip |
| PMLN8122 | Dust cover (10pcs per pack) |
| PMKN4232 | Coil cord |

PORTABLE MILITARY STANDARDS 810 C, D, E, F & G

| | MIL-STD 810C | | MIL-STD 810D | | MIL-STD 810E | | MIL-STD 810F | | MIL-STD 810G | |
|---------------------|--------------|-----------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| | Method | Proc./Cat. | Method | Proc./Cat. | Method | Proc./Cat. | Method | Proc./Cat. | Method | Proc./Cat. |
| Low pressure | 500.1 | I | 500.2 | I | 500.3 | II | 500.4 | II | 500.5 | II |
| High temperature | 501.1 | I, II | 501.2 | I/A1, II/A1 | 501.3 | I/A1, II/A1 | 501.4 | I/Hot, II/ | 501.5 | I/A1, II/A2 |
| Low temperature | 502.1 | I | 502.2 | I/C3, II/C1 | 502.3 | I/C3, II/C1 | 502.4 | I/C3, II/C1 | 502.5 | I/C3, II/C1 |
| Temperature shock | 503.1 | I | 503.2 | I/A1C3 | 503.3 | I/A1C3 | 503.4 | I | 503.5 | I/C |
| Solar radiation | 505.1 | II | 505.2 | I | 505.3 | I | 505.4 | I | 505.5 | I/A1 |
| Rain | 506.1 | I, II | 506.2 | I, II | 506.3 | I, II | 506.4 | I, III | 506.5 | I, III |
| Humidity | 507.1 | II | 507.2 | II | 507.3 | II | 507.4 | Only 1 | 507.5 | II/ |
| Salt fog | 509.1 | I | 509.2 | I | 509.3 | I | 509.4 | Only 1 | 509.5 | Only 1 |
| Blowing dust | 510.1 | I | 510.2 | I | 510.3 | I | 510.4 | I | 510.5 | I |
| Blowing sand | Only 1 Proc | Only 1 Proc | 510.2 | II | 510.3 | II | 510.4 | II | 510.5 | II |
| Immersion (Delta-T) | 512.1 | I | 512.2 | I | 512.3 | I | 512.4 | I | 512.5 | I |
| Vibration | 514.2 | VIII/F, Curve-W | 514.3 | I/10, II/3 | 514.4 | I/10, II/3 | 514.5 | I/24 | 514.6 | I/24 |
| Shock | 516.2 | I, III, V | 516.3 | I, V, VI | 516.4 | I, V, VI | 516.5 | I, V, VI | 516.6 | I, V, VI |
| Shock (drop) | 516.2 | II | 516.2 | IV | 516.4 | IV | 516.5 | IV | 516.6 | IV |



Motorola Solutions, Inc. 500 West Monroe Street, Chicago, IL 60661 U.S.A. motorolasolutions.com

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