

## Roger™ DigiMaster 5000 /V2

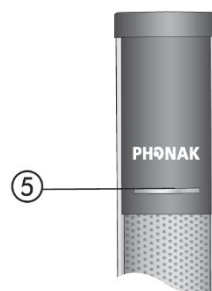
A Roger SoundField system consists of one or more Roger DigiMaster loudspeakers and one or more Roger microphones. For regular sized classrooms Roger DigiMaster 5000 /V2 fits the bill perfectly. Featuring no less than 12 individual high-quality loudspeakers, all housed in a robust aluminum frame, this single-loudspeaker system offers the ultimate in instant sound performance.

### Technical data

Type	Roger DigiMaster SoundField receiver Operates with Roger microphones
Dimension (LxW)	885 x 72 mm/35 x 2.8"
Weight	2070 g/4.5 lbs
Operating conditions	0° to +40° C/+32° to +104° F. Relative humidity of <90% (non-condensing)
Transport and storage conditions	-20° to +60° C/-4° to +140° F. Relative humidity of 90% for a long period of time
Power supply	Voltage input: 100 – 240 V Voltage output: 19 VDC/3.42 A/65 W Power consumption in standby mode: <1 W Power consumption in off mode: < 0.5 W
Transport and storage conditions	-20° to +60° Celsius (-4° to +140° Fahrenheit) Relative humidity of 90% for a long period of time

### Device description

1	On/Off
2	3.5 mm audio input
3	Power
4	USB
5	Indicator light (LED)
6	3.5 mm audio output
7	Bluetooth® button



### Accessories

Floor Stand	Tube height: 1035 mm/41", foot print diameter: 750 mm/29", weight: 2.2 kg/4.8 lbs, height on floor stand: 1720 mm/68"
Wall Mount Kit	1x connecting part to DigiMaster loudspeaker, 1x wall support, screws
Tripod	To be used only in the lowest position in kindergarten. Tube height: 280 mm/11", weight: 2 kg/4.4 lbs , height on tripod stand: 1510 mm/59"
Desk Stand	Tube height: 280 mm/11", weight: 0.6 kg/1.3 lbs, height on desk stand: 1150 mm/45"

### DigiMaster characteristics

Rome size:	Roger technology
Number of DigiMaster 5000 per Roger microphone	1 unit
Number of DigiMaster 5000 per building	unlimited
DigiMaster 5000 compatible Roger microphone	Roger for Education microphones

### Roger characteristics

Transmission technology	2.4 GHz including adaptive automatic frequency hopping
Power emission	100 mW
Operating range	25 m/82 ft

### Audio characteristics

Audio bandwidth for speech	200 Hz – 7.5 kHz
Volume control for voice	± 8 dB
Power output	Up to 40 W
Loudspeaker array	12 mini-loudspeakers
Vertical aperture angle of the main lobe @500Hz	± 25°
Vertical aperture angle of the main lobe @2kHz	± 25°
Auxiliary input	3.5 mm jack
Audio bandwidth for auxiliary audio input	100 Hz – 20 kHz
Volume control for auxiliary audio input	± 10 dB
Auxiliary output	3.5 mm jack line output
Audio bandwidth for Bluetooth	100 Hz – 20 kHz

### Bluetooth information

Standard	Bluetooth v4.2
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### System data (\*)

Target gain for noise level < 58 dB SPL	+ 6 dB compared to the voice level noise
Start of dynamic adaptation	Level > 58 dB SPL
SNR (signal-to-noise ratio) with 45 dB SPL noise level in classroom	> 26dB
SNR with 55 dB SPL noise level in classroom	> 16 dB
SNR with 65 dB SPL noise level in classroom	> 10 dB
Typical average output level (Volume control 0 dB, speech level of 65 dB SPL@1m)	Noise level < 54 dB SPL: 71 dB SPL@1 m, 66 dB SPL in the reverberant field Noise level = 60 dB SPL: 73 dB SPL@1 m, 68 dB SPL in the reverberant field Noise level = 66 dB SPL: 75 dB SPL@1 m, 70 dB SPL in the reverberant field Noise level > 66 dB SPL: 75 dB SPL@1 m, 70 dB SPL in the reverberant field
Maximum average output level with Roger microphone	89 dB SPL@1 m (Volume control +8 dB, noise level of 60 dB SPL, speech level of 75 dB SPL@1m)
Maximum peak output level with Roger microphone	96 dB SPL@1 m (Volume control +8 dB, noise level of 60 dB SPL, speech level of 75 dB SPL@1m)
Maximum peak output level over auxiliary audio input	100 dB SPL
*Speech level of 65 dB SPL@1 m, SNR measured at a distance of 4 m / 13 ft 1 inch from the voice and loudspeaker sources	

### Standards

EMC	EN 301.489-1, -3, -9, -17
Power consumption complies with Ecodesign Directive 2005/32/EC	EC no 1275/2008, EN 62301
Europe	EN 300 328, EN 301 489, EN 62368-1, IEC/EN 62311
Canada	RSS-247, RSS-102
Japan	ARIB-T66
USA	CFR 47, part 15.247