

A Roger Dynamic SoundField system consists of one or more Roger DigiMaster loudspeakers and one or more Roger microphones. For regular sized classrooms Phonak's Roger DigiMaster 5000 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.

Roger DigiMaster 5000 features

- One loudspeaker per class
- Unique line-source configuration featuring 12 high-quality loudspeakers for crystal-clear sound
- Automated dynamic behavior for optimal signal-to-noise ratios (SNRs)
- Adaptive automatic frequency hopping for interference-free sound
- Operates with Roger microphones
- Sleek design
- Wall-mount and floor-stand options
- Mini-USB for downloading new features
- Indicator light (LED)
- Installation-free

Accessories

Floor Stand

Tube height: 1035 mm / 41 inches Foot print diameter: 750 mm / 29 inches Weight: 2.16 kg / 4.8 lbs Height on floor stand: 1720 mm / 68 inches

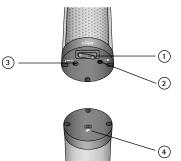
Wall mounting kit

What is Roger

Roger is the new digital standard that bridges the understanding gap, in noise and over distance, by wirelessly transmitting the speaker's voice directly to the listener.

Description

- ① On/off
- ② 3.5 mm audio input
- ③ Power socket
- ④ Mini-USB
- ⑤ Indicator light (LED)









General data

Type:	Roger Dynamic SoundField receiver Operates with Roger microphones	Transmission tech
Dimensions (L x W):	885 x 72 mm / 35 x 2.8 inches	Power emission:
Weight:	2070 g/4.5 lbs	Operating range:
Operating conditions:	Temperature should not exceed the limit values of 0° to +40° Celsius / +32° to +104° Fahrenheit and relative humidity of <95% (non condensing)	
Transport and storage conditions:	During transport or storage, the temperature should not exceed the limit values of -20° to $+60^{\circ}$ Celsius / -4° to $+140^{\circ}$ Fahrenheit and relative humidity	DigiMaste
	of 90% for a long period	Room size:
Power supply	Voltage input: 100 – 240 V Voltage output: 19 VDC / 3.42 A / 65 W Connector: 5.5 x 2.5 x 11.5 mm / 0.21 x	Number of DigiMa microphone
	0.1 x 0.45 inches Polarity + center Power consumption in standby mode: <1 W Power consumption in off mode: < 0.5 W	Number of DigiMa

Roger characteristics

ransmission technology:

2.4 GHz including adaptive automatic frequency hopping

100 mW

20 m / 66 feet

DigiMaster characteristics

Room size:

Up to 100 m² / 1076 ft²

lumber of DigiMaster 5000 per Roger nicrophone

Number of DigiMaster 5000 per building

Unlimited

1 unit

Audio characteristics

Roger Dynamic Soundfield system data (*)

Audio bandwidth for speech:	200 Hz – 7.5 kHz	Target gain for noise level < 54 dB SPL:	+12 dB compared to the voice level
Signal-to-noise ratio with EasyBoom microphone:	> 55 dB	Start of dynamic adaptation:	Noise level > 54 dB SPL
		SNR with 45 dB SPL noise level in	> 26 dB**
Audio bandwidth for auxiliary audio input:	200 Hz –15 kHz	classroom:	
Signal-to-noise ratio of external audio:	> 70 dB	SNR with 55 dB SPL noise level in classroom:	> 18 dB**
Volume control for voice:	±8 dB		
		SNR with 65 dB SPL noise level in	> 14 dB**
Volume control for auxiliary audio input:	± 10 dB	classroom:	
Power output:	Up to 40 W	Typical average output level (Volume control 0 dB, speech level of 65 dB	Noise level < 54 dB SPL: 71 dB SPL@1 m, 66 dB SPL in the reverberant field
Loudspeaker impedance:	4 Ω	SPL@1 m)	Noise level = 60 dB SPL: 75 dB SPL@1 m, 70 dB SPL in the reverberant field
Vertical aperture angle of the main lobe @500Hz:	±25°		Noise level = 66 dB SPL: 81 dB SPL@1 m, 76 dB SPL in the reverberant field Noise level > 66 dB SPL: 81 dB SPL@1 m,
Vertical aperture angle of the main lobe @2kHz:	±7°		76 dB SPL in the reverberant field
		Maximum average output level with	89 dB SPL@1 m (Volume control +8 dB,
Auxiliary input socket:	3.5 mm jack	EasyBoom microphone:	noise level of 60 dB SPL, speech level of 75 dB SPL@1m)
Auxiliary input impedance:	> 10 kΩ		
		Maximum peak output level with EasyBoom microphone:	96 dB SPL@1 m (Volume control +8 dB, noise level of 60 dB SPL, speech level of
Standards			75 dB SPL@1m)
		Maximum peak output level over	100 dB SPL
		auxiliary audio input:	
EMC:	EN 301.489-1, -3, -9, -17	* Characteristics with EasyBoom microphone	
Power consumption complex with	EC No 1275/2008 EN 02201	** Speech level of 65 dB SPL@1 m, SNR measured at a dis	stance of 4 m /
Power consumption comples with	EC No 1275/2008, EN 62301	13 ft 1 inch from the voice and loudspeaker sources	

Power consumption comples with Ecodesign Directive 2005/32/EC:

