

CEILING SPEAKER CALCULATOR WORKSHEET

STEP 1: Determine the Number of Ceiling Speakers

Calculate Separately for Each Room and each ceiling height

CALCULATIONS	
START CALCULATIONS HERE →	Square Footage of Room: <input type="text"/>
	Divide by Coverage Per Speaker (from Speaker Coverage Chart below): <input type="text"/>
	= Quantity of Speakers: <input type="text"/> ← FINAL RESULTS

Speaker Coverage Chart									
Ceiling Height ↓	CONTROL 24C (or 24CT) <u>Micro</u> Square Feet Per Speaker			CONTROL 24C (or 24CT) Square Feet Per Speaker			CONTROL 26C (or 26CT) Square Feet Per Speaker		
	Cost Effective (7 dB variation)	Typical/ Recommended (4.5 dB variation)	Excellent coverage (2 dB variation)	Cost Effective (7 dB variation)	Typical/ Recommended (4.5 dB variation)	Excellent coverage (2 dB variation)	Cost Effective (7 dB variation)	Typical/ Recommended (4.5 dB variation)	Excellent coverage (2 dB variation)
	Coverage	Coverage	Coverage	Coverage	Coverage	Coverage	Coverage	Coverage	Coverage
8 feet	256 sq ft.	128 sq ft.	64 sq ft.	160 sq ft.	80 sq ft.	40 sq ft.	140 sq ft.	70 sq ft.	35 sq ft.
9 feet	420 sq ft.	210 sq ft.	105 sq ft.	260 sq ft.	130 sq ft.	65 sq ft.	220 sq ft.	110 sq ft.	55 sq ft.
10 feet	600 sq ft.	300 sq ft.	150 sq ft.	380 sq ft.	190 sq ft.	95 sq ft.	320 sq ft.	160 sq ft.	80 sq ft.
11 feet	840 sq ft.	420 sq ft.	210 sq ft.	520 sq ft.	260 sq ft.	130 sq ft.	440 sq ft.	220 sq ft.	110 sq ft.
12 feet	<i>not rec.</i>	540 sq ft.	270 sq ft.	680 sq ft.	340 sq ft.	170 sq ft.	580 sq ft.	290 sq ft.	145 sq ft.
13 feet	<i>not rec.</i>	680 sq ft.	340 sq ft.	<i>not rec.</i>	430 sq ft.	215 sq ft.	720 sq ft.	360 sq ft.	180 sq ft.
14 feet		<i>not recommended</i>		<i>not rec.</i>	540 sq ft.	270 sq ft.	880 sq ft.	440 sq ft.	220 sq ft.
15 feet		<i>not recommended</i>			<i>not recommended</i>		1060 sq ft.	530 sq ft.	265 sq ft.
16 feet		<i>not recommended</i>			<i>not recommended</i>		1260 sq ft.	630 sq ft.	315 sq ft.
17 feet		<i>not recommended</i>			<i>not recommended</i>		<i>not rec.</i>	740 sq ft.	370 sq ft.
18 feet		<i>not recommended</i>			<i>not recommended</i>		<i>not rec.</i>	860 sq ft.	430 sq ft.
19 feet		<i>not recommended</i>			<i>not recommended</i>		<i>not rec.</i>	990 sq ft.	495 sq ft.
20 feet		<i>not recommended</i>			<i>not recommended</i>		<i>not rec.</i>	1130 sq ft.	565 sq ft.

Use this model for applications or locations where low sound level is acceptable. May require subwoofers for full fidelity music.	Use this model for medium sound levels . Add subwoofers for increased bass and for maximum fidelity at medium-to-high sound levels.	Use this model for medium-to-high sound levels or for high ceilings . Add subwoofers for applications requiring very strong bass.
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For applications requiring higher SPL than Control 24CT Micro can deliver but requiring as few speakers as possible, use Control 24CT MicroPLUS , a higher output version of 24CT Micro.	For applications requiring pre-installed standard backcans and/or more tightly focused coverage, use Control 26DT . Use 30% more 26DTs than indicated above.
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