

All RCF active speakers feature FiRPHASE processing for a 0° linear-phase response. This means that a perfect phase alignment with other RCF speakers and subwoofers only requires a simple time delay. Time delay is already available onboard RCF HDL and TT+ speakers. Systems without internal delay require an external capable device.

Insert the following pre-alignment values into your RCF speaker's back panel, RDNet manager or external delay device to provide perfect time alignment when paired with RCF subwoofers. For suspended speakers, add (or subtract) delay-values measuring the PHYSICAL OFFSET between the SPEAKER and the SUBWOOFER as in the following scheme:



TT 20-CXA

Subwoofer

Loudspeaker type	TT 20-CXA	SUB 8004-AS	SUB 8006-AS	SUB 9004-AS	SUB 9006-AS	SUB 9007-AS	TTS 15-A	TTS 18-A II	TTS 36-A	TTS 56-A
Preset	(M1 / M2) Monitor	90Hz	90Hz	30 - 70 (L3)	30 - 80 (L4)	30 - 80 (L4)	30 - 70 (L3)	30 - 70 (L3)	45 - 90Hz	30 - 90Hz
Polarity	[+] / 0°	[+] / 0°	[+] / 0°	[-] / 180°	[-] / 180°	[-] / 180°	[+] / 0°	[-] / 180°	[-] / 180°	[-] / 180°
Link or X-Over Output		Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output
Pre-alignment delay	0.0 ms	0.0 m	3.0 ms	1.0 m						
	0.0 ms	0.0 m			2.8 ms	1.0 m				
	0.0 ms	0.0 m					1.1 ms	0.4 m		
	0.0 ms	0.0 m								
	0.0 ms	0.0 m					1.1 ms	0.4 m		
	0.0 ms	0.0 m							0.5 ms	0.2 m
	0.0 ms	0.0 m							2.2 ms	0.8 m
	0.0 ms	0.0 m							0.0 ms	0.0 m
	0.0 ms	0.0 m							2.0 ms	0.7 m
0.0 ms	0.0 m								1.0 ms	0.3 m

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Subwoofer

Loudspeaker type	TT 20-CXA	SUB 8004-AS	SUB 8006-AS	SUB 9004-AS	SUB 9006-AS	SUB 9007-AS	TTS 15-A	TTS 18-A II	TTS 36-A	TTS 56-A
Preset	(L2) High Pass	90Hz	90Hz	30 - 70 (L3)	30 - 80 (L4)	30 - 80 (L4)	30 - 70 (L3)	30 - 70 (L3)	45 - 90Hz	30 - 90Hz
Polarity	[+] / 0°	[-] / 180°	[-] / 180°	[+] / 0°	[+] / 0°	[+] / 0°	[+] / 0°	[+] / 0°	[+] / 0°	[+] / 0°
Link or X-Over Output		Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output	Link Output
Pre-alignment delay	0.0 ms	0.0 m	7.6 ms	2.6 m						
	0.0 ms	0.0 m			6.0 ms	2.1 m				
	0.0 ms	0.0 m					4.2 ms	1.4 m		
	0.0 ms	0.0 m								
	0.0 ms	0.0 m					4.2 ms	1.4 m		
	0.0 ms	0.0 m							3.4 ms	1.2 m
	0.0 ms	0.0 m							0.0 ms	0.0 m
	0.0 ms	0.0 m							4.0 ms	1.4 m
	0.0 ms	0.0 m							5.6 ms	1.9 m
0.0 ms	0.0 m								4.0 ms	1.4 m

ΔT (ms) = Physical Offset (m) / 0.343 (m/ms)

∅ - polarity reverse [+] = 0° Phase [-] = 180° Phase

To convert milliseconds (ms) values in meters, multiply them by 0.343