

RTi Series loudspeakers



The RTi Series delivers lifelike high performance via exclusive Polk Audio technologies, as well as solid construction and real wood veneers, all at reasonable prices.

Furniture and speaker stands courtesy of SanusSystems®.

RT12

The new standard in all out musical performance, the RT12 floorstanding loudspeaker is the epitome of “Real Wood, Real High Performance.” Its three 7” woofers benefit from having the surface area of a single large woofer with the low-mass and acceleration of small woofers. So RT12 bass response is tighter, punchier, more accurate; accentuated by the addition of PowerPort *Plus* Bass Venting Technology.

- All-MDF construction with massive asymmetric cabinet bracing ensures resonance-free enclosures for accurate sound.
- Three 7” woofers: tighter, punchier, more accurate bass with a higher force-to-mass ratio.
- Power Port *Plus* utilizes dual ports and internal “plates” to achieve truly deep, musical bass response.
- Real Wood finishes at vinyl prices.

50 1/8" H x 7 3/4" W x 21" D
(127.32cm H x 19.68cm W x 53.34cm D)
Overall Frequency Response 18Hz - 27kHz.

See specifications for more detailed product information.



Cherry



Black Oak



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tech
nology

anti-resonant ENCLOSURE

Cabinet resonance can ruin the sound of an otherwise well-designed speaker. You don't want to hear your speaker cabinets humming along with the music (they don't even know the words), you want to hear the uncolored sound launched by the drivers and tweeters. We take special pains to make sure that Polk speaker cabinets are resonance-free. All wood cabinet Polk Audio loudspeakers are constructed of costly low-resonance MDF instead of the cheaper and more resonant particle board used by many competitive speaker brands. RTi Series Speakers feature additional anti-resonance strategies, like asymmetric braces. See more about Anti-Resonant Enclosure at www.polkaudio.com/catalog/technology/.



RTi10

- Power Port *Plus* utilizes dual ports and internal “plates” for truly deep, musical bass response.
- Acoustic Resonance Control (ARC) Port cancels internal resonance for natural midrange reproduction.
- Real Wood finishes at vinyl prices.

43 5/8" H x 7 3/4" W x 17 1/2" D (110.81cm H x 19.68cm W x 44.45cm D)
Overall Frequency Response 20Hz - 27kHz.

See specifications for more detailed product information.



RTi8

- For music/movie systems in mid- to large-sized rooms.
- Dynamic Balance polymer composite cone drivers for wide-range response with low distortion.
- Power Port Bass Venting for big, musical bass.
- Real Wood finishes at vinyl prices.

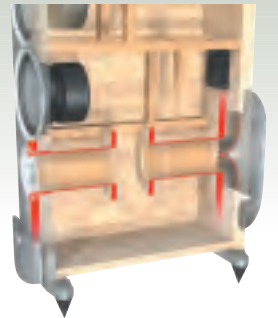
41 5/8" H x 7 3/4" W x 15 1/2" D (105.73cm H x 19.68cm W x 39.37cm D)
Overall Frequency Response 30Hz - 27kHz.

See specifications for more detailed product information.



power PORT PLUS

For the new RTi10 and RTi12 Floorstanding Loudspeakers, Polk engineers went a step beyond Power Port Bass Venting with Power Port Plus. Power Port Plus works with two ports (front & rear) and a series of internal “plates” (as opposed to Power Port’s single port) to further reduce air turbulence at the mouth of the bass port, and increase bass efficiency. PPP allows even lower frequency tuning and lower turbulence for less noise and distortion, and more big musical bass, even at lifelike volume levels. This technology delivers performance that vastly exceeds conventionally ported speakers with bass that you truly feel, as well as hear. See more about Power Port Plus at www.polkaudio.com/catalog/technology/.

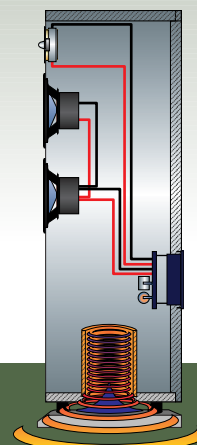


RTi Series loudspeakers



power PORT

Polk Audio loudspeakers shatter the boundaries of bass response with patented Power Port bass venting technology. Conventional ports have limitations: air turbulence at the mouth of the port can cause “port noise” and bass output losses of up to 3dB. (A loss of 3dB means that half of your amplifier power is being wasted on turbulence instead of bass!) The distinctive design of the Polk Audio Power Port gradually slows air exiting the port, vastly reducing turbulence, port noise and energy loss. The result is bass that you will feel as well as hear; bass that reaches out, grabs you by the lapels and shakes you up—for a completely visceral and emotional movie and music experience. See more about Power Port at www.polkaudio.com/catalog/technology/.



RTi6

The classic Polk Audio sound—rich and clear, with spacious 3-dimensional imaging—in a classic bookshelf size that doesn't sacrifice performance. RTi6 Loudspeakers deliver superior dynamic impact in smaller cabinet sizes. Use them as main/front speakers, or direct radiating surround speakers, in high performance A/V or music-only systems.

- 6 1/2" Poly Composite Dynamic Balance Cone for smooth wide-range response with low distortion.
- Power Port Bass Venting for superior bass.
- Acoustic Resonance Control (ARC Port) technology for more natural midrange reproduction.
- 1" silk dome Dynamic Balance tweeter features a neodymium magnet for clear, detailed highs; heat-sunk for superior heat dissipation, power handling and reliability.

14 3/4" H x 7 3/4" W x 14 1/4" D
(37.47cm H x 19.68cm W x 36.20cm D)
Overall Frequency Response 40Hz - 27kHz.

See specifications for more detailed product information.



RTi4

Conveniently sized, and timbre-matched to fit into any Polk Audio multi-channel music or HT system, the RTi4 is capable of delivering a realistic, seamless surround sound environment, or filling small to mid-sized rooms with glorious, accurate sound.

- 5 1/4" Poly Composite Dynamic Balance Cone for smooth low distortion response.
- Rear-firing Power Port Bass Venting for great bass, doubles as wall mount bracket.
- Floating Anti-Diffraction Grilles minimize grille diffraction for spacious, 3-dimensional imaging.
- 1" silk dome Dynamic Balance tweeter features a small, powerful, heat-sunk neodymium magnet for clear, detailed highs and superior power handling and reliability.

12" H x 7" W x 11 1/2" D
(30.48cm H x 17.78cm W x 29.21cm D)
Overall Frequency Response 50Hz - 27kHz.

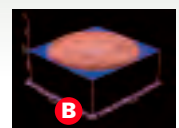
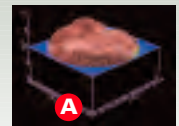
See specifications for more detailed product information.



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dynamic BALANCE®

Advanced laser imaging technology allowed Polk Audio engineers to see the entire vibrating surface of a driver and tweeter; they could actually see the resonance develop on the speaker cones—resonance that is the root cause of loudspeaker distortion (A). Being able to see the resonance develop, they determined the "Dynamic Balance" of high-tech materials, geometry and construction that effectively tune out the offending resonance (B). Exclusive Dynamic Balance Composite Material Technology delivers sound that's effortlessly clean and clear, even at lifelike volume. See more about Dynamic Balance at www.polkaudio.com/catalog/technology/.



RTi Series Loudspeakers

CSi5

The low profile design of the high performance CSi5 Center Channel Speaker belies its power and explosive impact in RTi Series systems in mid- to large-sized rooms. Power Port Bass Venting delivers surprising low end effects.

- Acoustically inert 3/4" MDF cabinets. Turn them upside-down to aim them "up" when your placement requires them to be below your TV or video screen.
- Adjustable KickStand Prop balances the speaker on shallow-depth TVs.
- Acoustic Resonance Control (ARC Port) technology for natural midrange reproduction.
- Magnetic shielding for safe placement on or near video sources.

7" H x 21 3/4" W x 9" D (17.78cm H x 55.24cm W x 22.86cm D)
Overall Frequency Response 40Hz - 27kHz.

See specifications for more detailed product information.



Cherry Black Oak

CSi3

The workhorse of the Polk Audio Center Channel Speaker line, the CSi3 is the perfect match for all small to mid-sized RTi Systems. Its neutral tonal balance and high power handling make it a great choice, even for systems made up of speakers wearing other brand names.

- Dynamic Balance Poly Composite drivers for smooth wide-range response.
- Acoustic Resonance Control (ARC Port) technology for natural midrange reproduction.
- Timbre-matched to blend seamlessly with any Polk Audio RTi home theater or multi-channel music system.
- Magnetic shielding for safe placement on or near video sources.

6 7/8" H x 20" W x 9 1/4" D (17.46cm H x 50.80cm W x 23.50cm D)
Overall Frequency Response 55Hz - 27kHz.

See specifications for more detailed product information.



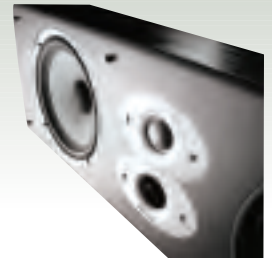
Cherry Black Oak



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cascade
TAPERED
ARRAY

Place two drivers near each other and interference between the two drivers creates frequency response errors (called "comb filtering") for off-axis listeners; people sitting or standing off to the side of the room or standing won't hear the same tonal balance as listeners who are "on-axis" right in the center of the listening area. Polk Audio multi-driver speakers, like the CSi5, combat this with "Cascade Tapered Array" crossovers. One driver is "crossed over" at a lower frequency than the other driver, filtering out the frequencies where the interference will occur (thereby eliminating interference effects). The Cascade Tapered Driver Arrays in select Polk multi-driver speakers results in clearer, more detailed sound and uniform tonal balance throughout the room. The sound is consistently accurate whether the listener is standing or sitting, in-line or off-axis. See more about Cascade Tapered Driver Array at www.polkaudio.com/catalog/technology/.



FXi5

The sound-enhancing design characteristics of the FXi5 include triangular cabinets that aim the drivers and tweeters in opposing directions to produce a more realistically enveloping surround environment, and a conveniently located bipole/dipole switch for more flexible placement options. Match the FXi5 with a system built of larger RTi Series loudspeakers to complete an exceptional multi-channel audio system.

- Conveniently located BiPole/DiPole Switch so you get the most realistic diffusion for your HT setup.
- Timbre-matched to any Polk Audio speakers, for a seamless surround sound environment.
- Acoustically inert 3/4" MDF cabinets.
- Built in heavy duty dual keyhole wall mounting bracket.

14 3/4" H x 12 1/2" W x 8 3/8" D (37.47cm H x 31.75cm W x 21.27cm D)
Overall Frequency Response 45Hz - 27kHz.

See specifications for more detailed product information.



Gloss Black

FXi3

With many of the features of larger speakers in a conveniently sized cabinet, the FXi3 is the standard of value and utility in bi-directional surround speakers. It's the right choice for high quality multi-channel audio systems in mid- to small-sized rooms.

- Available in Matte White Finish suitable for painting, to better blend with your decor.
- Dynamic Balance silk dome tweeters on opposing baffles; heat-sinked for superior heat dissipation, power handling and reliability.
- Built in dual keyhole wall mounting bracket.
- Timbre-matched to fit into any Polk Audio multi-channel audio system, for a seamless surround sound environment.

12" H x 11" W x 7 3/8" D (30.48cm H x 27.94cm W x 18.73cm D)
Overall Frequency Response 50Hz - 27kHz.

See specifications for more detailed product information.



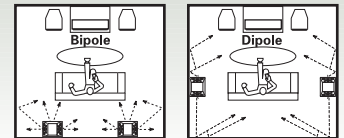
Gloss Black

Matte White (paintable)



bipole DIPOLE

Use the Bipole/Dipole Sound Customization Technology of Polk Audio Bi-Directional Surround Speakers to optimize your surround soundstage according to your theater setup and seating layout. Use the Dipole setting for a more diffuse, enveloping rear effects soundstage. Use the Bipole setting to provide a more localized soundfield in discrete channel systems. Polk Audio Bi-Directional Surround Speakers give you the choice of either polar pattern so you can choose the one that sounds best to you in your set-up. Simply flip the convenient switch! See more about Bipole/Dipole at www.polkaudio.com/catalog/technology/.



RTi Series Loudspeakers



RTi12 System

RTi Floorstanding Systems

When you have a mid- to large room, you want a confident system; one that will fill your room with full range sound, with crystalline accuracy at lifelike volumes. The RTi12 System, including the CSi5 Center Channel Speaker, FXi5 Bi-Directional Surround Speakers and the PSW505 Powered Subwoofer, is a truly remarkable home theater and music system. It delivers effortless realism—a classic Polk quality—with precise attack, speed and dynamic contrast in even the largest of rooms. The RTi8 System features the CSi5 Center Channel Speaker, a pair of RTi6 as surrounds and the PSW404 Powered Subwoofer for a system equally adept at home theater thrills and music-listening enjoyment in any mid-sized room.

Furniture courtesy of SanusSystems® (not included with speaker purchase). Available for sale at shop.polkaudio.com.



RTi8 System

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ARC PORT®

A loudspeaker's internal standing wave resonance can impart a "thick" or "chesty" character to the sound of voices. Polk Audio's patented Acoustic Resonance Control Port System is tuned to cancel this resonance for utterly clear, accurate and natural midrange. See more about Arc Port at www.polkaudio.com/catalog/technology/.



RTi Bookshelf Systems

Finally, bookshelf speaker systems (perfect for a wide variety of spaces) that really deliver when it comes to performance and looks. In the RTi6 System, wall-mountable FXi3s supply lifelike surround effects, the CSi3 anchors effects to your screen and the PSW303 pounds out the thrilling lows. The RTi4 System is the hands-down winner in any excitement-for-the-price competition, with a CSi3 Center Channel Speaker and PSW303 Powered Subwoofer. For small, mid-sized and even large rooms, Polk Audio bookshelf loudspeaker systems are stylish performance artists.

Furniture courtesy of SanusSystems® (not included with speaker purchase). Available for sale at shop.polkaudio.com.



RTi4 System

multi-channel audio systems

Front Speaker	Center	Surround	Subwoofer
RTi12	CSi5	FXi5	PSW505
RTi10	CSi5	FXi5	PSW505
RTi8	CSi5	RTi6	PSW404
RTi6	CSi3	FXi3	PSW404 or PSW303
RTi4	CSi3	RTi4	PSW303



RTi6 System

anti-DIFFRACTION

Diffraction is a type of distortion that occurs when sound reflects off an object such as a speaker grille frame or driver basket. The re-radiated sounds smear the original sound, much like ghost images on a TV smear the picture. Sound wave reflections (diffraction), color the sound and make the speaker sound "closed in" and "boxy." Polk Audio uses a variety of techniques—such as narrow cabinets with rounded baffles, raised bezels, floating grilles and smooth basket trim rings to minimize reflections for clearer sound and more open imaging. See more about Anti-Diffraction at www.polkaudio.com/catalog/technology/.



RTi Series loudspeakers

product specifications

Floorstanding Loudspeakers	RTi12*	RTi10*	RTi8*
Driver Complement	3 - 7" (17.78cm) Dynamic Balance woofers, 2 - 5 1/4" (13.3cm) Dyn. Bal. mid/bass drivers, 1 - 1" (2.5cm) Dyn. Bal. silk dome tweeter	2 - 7" (17.78cm) Dynamic Balance woofers, 1 - 6 1/2" (16.5cm) Dyn. Bal. mid/bass driver, 1 - 1" (2.5cm) Dyn. Bal. silk dome tweeter	2 - 6 1/2" (16.5cm) Dynamic Balance mid/bass drivers, 1 - 1" (2.5cm) Dyn. Bal. silk dome tweeter
Frequency Response: Overall / -3dB Limits	18Hz - 27kHz / 30Hz - 26kHz	20Hz - 27kHz / 35Hz - 26kHz	30Hz - 27kHz / 40Hz - 26kHz
Impedance	compatible with 8 Ohm outputs	compatible with 8 Ohm outputs	compatible with 8 Ohm outputs
Recommended Amplification	50 - 500 watts/channel	20 - 300 watts/channel	20 - 250 watts/channel
Efficiency	90dB	89dB	90dB
Available Finish	black or cherry veneer	black or cherry veneer	black or cherry veneer
Cabinet Dimensions	50 1/8" H x 7 3/4" W x 21" D	43 5/8" H x 7 3/4" W x 17 1/2" D	41 5/8" H x 7 3/4" W x 15 1/2" D
(Including Grille & Binding Posts)	127.32cm H x 19.68cm W x 53.34cm D	110.81cm H x 19.68cm W x 44.45cm D	105.73cm H x 19.68cm W x 39.37cm D
Shipping Weight (+/- 3 lbs/kgs)	88 lbs/ea (39.9 kg)	66 lbs/ea (29.9 kg)	55 lbs/ea (24.9 kg)
Overall Footprint Dimensions	10 3/4" W x 20 3/4" D (27.3cm W x 52.7cm D)	10 3/4" W x 17.5" D (27.3cm W x 44.5cm D)	10 3/4" W x 15 1/2" d"D (27.5cm W x 39.4cm D)
Features	Power Port <i>Plus</i> , Magnetic Shielding, Leveling Feet/Carpet Spikes, ARC Port, 5-Way Binding Posts, Cascade Tapered Array	Power Port <i>Plus</i> , Magnetic Shielding, Leveling Feet/Carpet Spikes, ARC Port, 5-Way Binding Posts	Power Port, ARC Port, Leveling Feet/Carpet Spikes, Magnetic Shielding, Cascade Tapered Array

Bookshelf Loudspeakers	RTi6*	RTi4*
Driver Complement	1 - 6 1/2" (16.5cm) Dyn. Bal. mid/bass driver, 1 - 1" (2.5cm) Dyn. Bal. silk dome tweeter	1 - 5 1/4" (13.3cm) Dyn. Bal. mid/bass driver 1 - 1" (2.5cm) Dyn. Bal. silk dome tweeter
Frequency Response: Overall / -3dB Limits	40Hz - 27kHz / 50Hz - 26kHz	50Hz - 27kHz / 60Hz - 26kHz
Impedance	compatible with 8 Ohm outputs	compatible with 8 Ohm outputs
Recommended Amplification	20 - 125 watts/channel	20 - 125 watts/channel
Efficiency	89dB	89dB
Available Finish	black or cherry veneer	black or cherry veneer
Shipping Weight (+/- 3 lbs/kgs)	42.5 lbs/pr (19.3 kg)	29 lbs/pr (13.2 kg)
Dimensions	14 3/4" H x 7 3/4" W x 14 1/4" D 37.47cm H x 19.68cm W x 36.20cm D	12" H x 7" W x 11 1/2" D 30.5cm H x 17.8cm W x 29.2cm D
Features	Power Port, Magnetic Shielding, Anti-Diffraction Grille, ARC Port, 5-Way Binding Posts	Power Port, Magnetic Shielding, Anti-Diffraction Grille, ARC Port, 5-Way Binding Posts

* Magnetically shielded components for safe placement near TVs or video monitors.

"Polk Audio," "The Speaker Specialists," "ARC Port," "Casket Basket," and "Dynamic Balance" are trademarks of Britannia Investment Corporation used under license by Polk Audio Inc.

Surround Loudspeaker Features	FXi5	FXi3
Driver Complement	1 - 6 1/2" (16.5cm) Dynamic Balance mid/bass driver, 2 - 1" (2.5cm) Dynamic Balance silk dome tweeters	1 - 5 1/4" (13.3cm) Dynamic Balance mid/bass drivers, 2 - 1" (2.5cm) Dynamic Balance dome tweeters
Frequency Response: Overall / -3dB Limits	45Hz - 27kHz / 55Hz - 26kHz	50Hz - 27kHz / 60Hz - 26kHz
Impedance	compatible with 8 Ohm outputs	compatible with 8 Ohm outputs
Recommended Amplification	20 - 125 watts/channel	20 - 150 watts/channel
Efficiency	89dB	88dB
Available Finish	black	black or white
Shipping Weight (+/- 3 lbs/kgs)	35 lbs/pr (15.9 kg)	24 lbs/pr (10.9 kg)
Dimensions	14 3/4" H x 12 1/2" W x 8 3/8" D 37.5cm H x 31.75 cm W x 21.27 cm D	12" H x 11" W x 7 3/8" D 30.48cm H x 27.94cm W x 18.73cm D
Features	Built-In Bracket, Switchable Bipole/Dipole	Built-In Bracket, Paintable finish, Switchable Bipole/Dipole

Center Loudspeakers	CSi5*	CSi3*
Driver Complement	2 - 6 1/2" (16.5cm) Dynamic Balance drivers, 1 - 1" (2.5cm) dome tweeter	2 - 5 1/4" (13.3cm) Dynamic Balance driver, 1 - 1" (2.5cm) dome tweeter
Frequency Response: Overall / -3dB Limits	45Hz - 27kHz / 55Hz - 26kHz	55Hz - 27kHz / 65Hz - 26kHz
Impedance	compatible with 8 Ohm outputs	compatible with 8 Ohm outputs
Recommended Amplification	20 - 200 watts/channel	20 - 180 watts/channel
Efficiency	90dB	89dB
Available Finish	black or cherry	black or cherry
Shipping Weight (+/- 3 lbs/kgs)	29 lbs/ea (13.15 kg)	20 lbs/ea (9.1kg)
Dimensions (Including Power Port If Applicable)	7 1/2" H x 24" W x 14 1/2" D 19.05cm H x 60.96cm W x 36.83cm D	6 7/8" H x 20" W x 9 1/4" D 17.46cm H x 50.8cm W x 23.5cm D
Features	Cascade Tapered Array, Reversible Cabinet, Kickstand Stabilizer, Magnetic Shielding	Reversible Cabinet, Magnetic Shielding

RTi Series Loudspeakers

Founded in 1972, Polk Audio is an internationally renowned designer and manufacturer of high quality, high performance home and car loudspeakers based in Baltimore, Maryland. Polk Audio loudspeakers benefit from over 55 patents for loudspeaker technology, and earn consistently great reviews in the worldwide audio press for sound quality and innovation. Polk products are distributed throughout the US and Canada and in over 50 international markets by authorized local importer-distributors. Contact Polk Audio at 800-377-7655 or via email: polkcs@polkaudio.com



*Matthew Polk,
Speaker Specialist,
Polk Audio Co-Founder.*

To find out about Polk Audio exclusive technologies, go to www.polkaudio.com/catalog/technology/.

For FAQs, a wealth of advice and educational materials go to www.polkaudio.com/catalog/faq/.

For System Builder and other interactive tools go to www.polkaudio.com/catalog/toolbox/.

For archived Polk Audio Newspapers, Handbooks, online product manuals, and professional reviews go to www.polkaudio.com/catalog/library/.

For performance accessories and official Polk logowear, go to shop.polkaudio.com/.

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