

# Millenia CT™ 2



## Powered 2.1 Speaker System with Compact Subwoofer

What's new in this smartly upgraded system ...

**NEW!** 2-Channel Music Mode

**NEW!** Multichannel Movie Mode with Paradigm Virtual Surround

**NEW!** Dolby Digital decoding

**NEW!** Bluetooth with aptX coding

**NEW!** Comprehensive IR Learning includes discrete codes for custom integration!

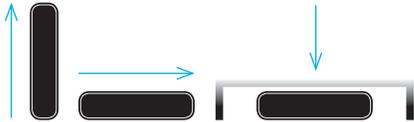
**NEW!** Redesigned Full-function Remote with a high quality fit and finish.



# Paradigm®

The Official Sound of YOU™

*Low profile subwoofer can sit vertically, horizontally or tuck it inside a cabinet*



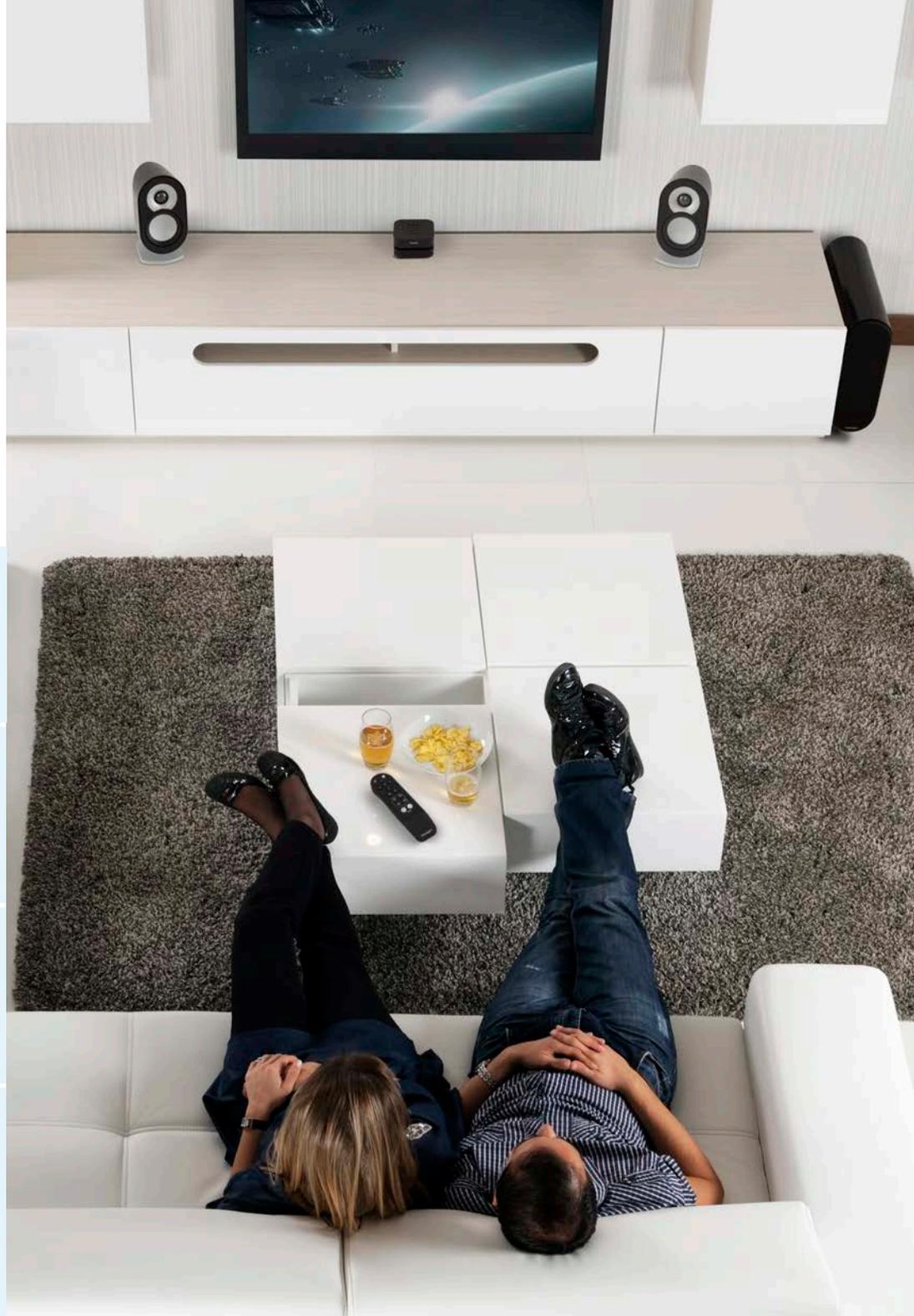
### Fully powered system

No receiver or other A/V components required!

**Direct hook-up** to a TV, cable box, Blu-Ray player, gaming console and other TV accessories.

**Bluetooth with aptX coding** allows high-quality audio streaming from anywhere in the house.

**Multichannel music? Action-packed movies?**  
Turn on Movie Mode with Paradigm Virtual Surround to experience the mesmerizing impact of Dolby Digital encoded material.



## Music and Movies have never sounded better

Millenia CT 2 is a high-performance speaker system that includes a compact subwoofer. Owing to its built-in Ultra-Class-D amplifier it doesn't require a receiver or other A/V equipment for power! Don't be fooled! Despite its plug'n play appeal, it's loaded with cutting-edge features. Bluetooth with aptX coding, a 2-channel Music Mode, a multichannel Movie Mode, Dolby Digital encoding and Paradigm Virtual Surround processing are all part of the package. The stylish remote even offers comprehensive IR learning. Main functions can also be accessed via the control box. The initials 'CT' stand for Compact Theater because Paradigm excels at producing giant sound in a compact format.



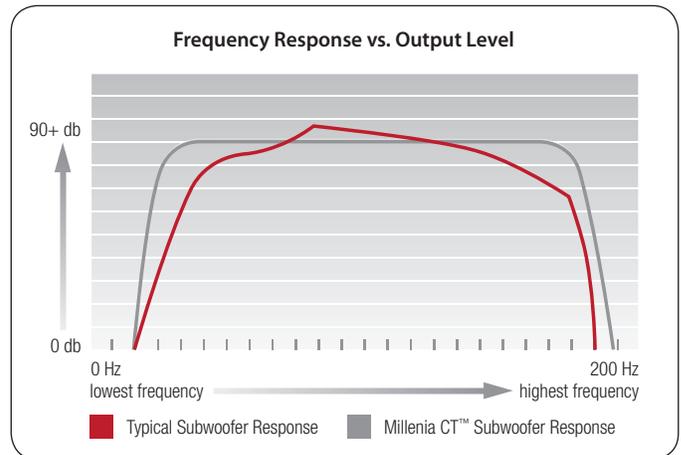
**System Power**  
 40 watts RMS x 2 satellite speakers.  
 80 watts RMS subwoofer.  
**System Peak Power: 480 watts.**

**Behind the design**

Paradigm’s hands-on approach to design and technology happens in our in-house world-class R&D, testing and manufacturing facilities. Millenia CT 2 drivers were designed to match the electronics platform. Software algorithms were written by Paradigm engineers to suit the application. Take the digital signal processing (DSP) design in the system’s amplifier. It monitors line current and voltage so that long-term average output power remains continuous. Paradigm engineers actually wrote the mathematical algorithms to shape frequency response, ensuring musical bass without distortion, even when the system is playing at a loud level.

This DSP-based amplifier also supplies the processing power behind Paradigm Virtual Surround (see right for details on this), a surround sound format so realistic it’s like you are listening to multichannel movies and music in a room with speakers to the sides and rear. Who do you think designed the algorithms for Paradigm Virtual Surround? If you guessed Paradigm engineers, you are correct!

**DSP Processing in Millenia CT 2**



**Speakers**

1” S-PAL™ Satin-Anodized Pure-Aluminum Domes with high-temperature voice coils.

4” S-PAL™ Satin-Anodized Pure-Aluminum Bass/Midrange Cones. High-temperature voice coils. High-quality rubber surrounds with superb damping properties and excellent flexibility promote extended cone movement.

**Rigid, Resonant-Resistant Thermoplastic (ABS) Enclosures.** Integrated baffle and chassis design allow for larger drivers than is typical in a system of this size.



**Subwoofer**

A bass reflex cabinet with dual high-velocity low-turbulence resistive ports. The 8” reinforced polymer-composite cone driver boasts a 1-1/2-inch high-temperature voice coil. Built-In Class D™ Amplifier with digital signal processing.

**Rigid, Resonance-Resistant Thermoplastic (ABS) Enclosure. Loads of placement options.**





“Millenia CT wowed us big time ... its sound quality puts it in a class of its own ... the best self-powered, compact speaker system we’ve heard ... truly does deliver upper echelon sound, and for that reason alone easily earns an Editor’s Choice recommendation”

– Oliver Amnuayphol, Digital Trends on the first Millenia CT system

**What’s in the box?**



2 speakers with adjustable stands



1 subwoofer with removable cradle (can be placed vertically on stand or horizontally on the supplied feet)



Control box for instant connection to your TV and accessories



1 remote control with 3 'AAA' batteries



6 cables: 1 x 6' Power, 4' Optical, 3.5-mm, 10' control box, 2 x 15' speaker



Speakers can be wall-mounted, brackets are sold separately.

**Paradigm Virtual Surround Explained**

In systems without dedicated surround/rear speakers much of the impact and magic of surround sound is lost, since there are no physical speaker channels to deliver it. This precious information, carefully mixed by recording engineers in the studio, sits neglected in the front left and right speaker channels. Paradigm Virtual Surround processing, developed by our engineers, ensures none of that impact and magic is lost.

Humans have the ability to hear sound in three dimensions. Through sophisticated mathematical algorithms that capitalize on this ability, Paradigm Virtual Surround gathers all the neglected sonic information in a central sweet spot, then reflows it into the front left and right channels, sending it out into the room in a way that creates the auditory illusion of swirling surround sound — in other words, a completely enveloping audio experience. An auditory ‘illusion’ perhaps, but to our ears, this experience is very very real, lifting the music and movie experience to a realm that is immersive, engaging and magical.

# Technical Specifications



## Speakers

### Design

2-driver, 2-way sealed enclosures with integrated baffle and chassis. Low-diffraction grilles maximize imaging and ensure smooth dispersion.

### Crossover

3rd-order electro-acoustic at 2.4 kHz

### High-Frequency Driver

25-mm (1 in) S-PAL™ satin-anodized pure-aluminum dome

### Bass / Midrange Driver

102-mm (4 in) S-PAL™ satin-anodized pure-aluminum cone

### Low-Frequency Extension\*

80 Hz (DIN)

### Frequency Response

On-Axis ±2 dB 140 Hz – 20 kHz

30° Off-Axis ±2 dB 140 Hz – 18 kHz

### Sensitivity – Room / Anechoic

88 dB / 85 dB

### H x W x D (including stand)

7-3/4 in x 4-1/2 in x 5-3/4 in

19.7 cm x 11.5 cm x 14.6 cm

### Weight (unpacked, including stand / hardware)

5.0 lb / 2.27 kg each

### Finish

Black Gloss

### Accessories (included)

Tabletop / shelf stands

\*With typical program source, provided the amplifier clips no more than 10% of the time.



## Subwoofer

### Design

Powered. Single driver, bass reflex design, dual high-velocity low-turbulence resistive ports, built-in 3-channel amplifier.

### Amplifier Design: High-current, Discrete Output

Ultra-Class-D™ amplifier: 40 watts RMS x 2 satellite speakers. 80 watts RMS subwoofer. System Peak Power of 480 watts.

### Amplifier Features

Auto-On / Standby, soft clipping

### Bass Driver

210-mm (8 in) reinforced polymer-composite cone,

38-mm (1-1/2 in) voice-coil

### Low-Frequency Extension\*

28 Hz (DIN)

### Subwoofer Cut-Off Frequency

150 Hz fixed

### Inputs

Optical digital; 3.5-mm auxiliary analog; Bluetooth

### H x W x D (cradle adds 3/4 in / 1.9 cm to height\*\*)

15-3/4 in x 5 in x 14 in

40.0 cm x 12.7 cm x 35.6 cm

### Weight (unpacked, stand adds 0.6 lb / .26 kg)

12.5 lb / 5.7 kg

### Finish

Black Gloss

### Accessories (included)

Floorstanding cradle, removable heat dissipation feet

\*DIN 45 500. Indicates -3 dB in a typical listening room.

\*\*Feet add approximately 1 in / 2.5 cm to subwoofer height in horizontal position.

1 Year Limited Warranty



paradigm.com



Copyright © Paradigm Electronics Inc. All rights reserved. Paradigm reserves the right to change specifications and/or features without notice as design improvements are incorporated.

# Paradigm®