



Home News Reviews Advice Member Reviews Forum Shop Competitions

Find by: Site Sections... Categories... Manufacturers

Home » News » News and comment

Friday 15 February 2008 | Personalise | Help

Free AVR membership

Join AVReview now

When you become a member you can:
- Enter great competitions
- Write your own reviews
- Chat in the forum
- Receive a weekly FREE newsletter

name
surname
e-mail address

why join? join now

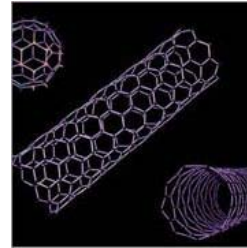
NEWS AND COMMENT 12 / 02 / 08

Nanotube Radio
By Duncan Madden

Researchers in the States have created the world's smallest radio made from carbon nanotubes.

The tiny strands of carbon are smaller than a grain of sand but the developers claim they may end up outperforming silicon based electronics currently in use.

The story, from Reuters, adds that the strands are a hundred thousand times smaller than the width of a human hair, forming a thin layer of semiconductor material that can be used in electronics devices and circuits.



'Our goal is not to make tiny radios per se, but really to develop nanotubes as a higher-performing semiconductor,' said John Rogers, a professor of materials science and engineering at the University of Illinois to Reuters.

These radios are specifically designed to showcase a new way of building new platforms for electronics technology.

Once the tubes are made, they are tested in two radio frequency amplifiers, a radio frequency mixer and an audio amplifier, all made from carbon nanotube materials.

Tests were carried out plugging regular sized headphones into an output transistor (also made from nanotube material) using a normal sized antenna.

Reuters also claimed that in one test the research team tuned one of the nanotube transistor radios to a Baltimore radio station and picked up the traffic report.

Rogers went on to conclude, 'The radio itself is not interesting. But the fact that we are at a point that we can do things like a radio is a good milestone for us'.

www.reuters.com

Share this article:

BOOKMARK Del.icio.us this

Digg

submit

Bookmark this Printer friendly version

Want to send this article to a friend? Please join here

Comment on this in our forum:

You say:

Using this form will also register you with the site.

Message:

expand

Rich text editor with icons for bold, italic, underline, link, unlink, list, quote, etc.

Read member reviews:

Portable DAB/FM tuners (103 products)

Members Logon

Email: e-mail address

Password:

forgot your password?

logon

Optimum international



multizone av.com

Your one stop audio visual specialist

Q-AV home entertainment system



Shopping Partners

Are you a retailer?

- Peter Tyson Online
Cable-shop.co.uk
Bluestream Online
Mark Grant Cables
1stAudioVisual
illgadgets.com
Home Cinema TV
TV Brackets
iMount
Creative Audio
Richer Sounds
Red Storage
HiFiX
AVNow.co.uk
Sound and Vision
EmpireDirect.co.uk
Multizone AV
HiFi 4 Less
Ringmat
The Flat TV Company
UK HDMI
Keene Electronics
Hificables.co.uk
AV Bargains
The Plasma Centre
Russ Andrews Hi-Fi and Home Cinema accessories
Ricam Store

Forum Hot Threads

 **14970** Total Messages

 **spiderman 3**

by Will Wright

[» Loads More Threads](#)

Latest Reviews

 **1379** Total Reviews

 Supra 4 x 2.5 Bi-wire

Rondo

by Martin Hardy

 Naim Nait 5i

by Paul Sutcliffe

 Samsung LE32R87BD

by Roger Marsden 2

 Samsung LE-40M87BD

by Alan Taylor

 JVC LT-37DG8

by chrissie211

[» Loads More Reviews](#)

Meet The AVR Team

Psst! Ever wondered who's behind all of AVReview's brilliant content? Well, click [here](#) for the lowdown on our writers...

[Send to friend](#) | [Join Now](#)

[^ Top of Page](#)

About AVReview

- About Us
- Privacy Policy
- Terms and Conditions



Contact Us

- Support
- Advertise with us
- FAQ
- Retailers: free site review

Magicalia Digital Publishing

- | | |
|--------------------|-----------------|
| Cycling | Outdoors |
| - BIKEmagic | - OUTDOORSmagic |
| - RoadCyclingUK | - FISHINGmagic |
| - SheCycles | - GOLFmagic |
| - LondonCycleSport | - TheMainSail |
| - Visordown | |

- Lifestyle**
- ThinkBaby
 - Gardening.co.uk
 - AVReview
 - ThinkCamera

- Hobbies**
- ModelFlying
 - MilitaryModelling
 - ModelBoats
 - GetWoodWorking
 - Full Portfolio

© 1999-2008 Magicalia Ltd.