

#### BT Vision: The Home Network

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**BT Vision** 

### What is BT Vision?



#### Freeview

Freeview channels to set top box from your existing TV aerial



Broadband connection to set top box giving you entertainment on Demand



**Set Top Box delivers** entertainment straight to your TV



**Set Top Box** 

BANG MODE BACK

BT Broadband (connection to your PC) so you can surf the web whilst someone else watches TV

© British Telecommunications of Dlugs into existing BT telephone wall socket



#### Summary of launch services

- An integrated DTT receiver
  - Freeview
- DVR functionality
  - Pause & Rewind Live TV
  - Record without videotapes (up to 80 hours)
  - HD Ready
- Entertainment on demand
  - Catch-up TV
  - Films, Music, Classic and Contemporary TV shows
- Communications
  - EDQ, Contacts List, Click2connect
- Interactive
  - Simple Games
  - Basic Gambling



### Home networking: the issues

- Phone socket / DSL hub is not where broadband is required
- People now have more than one use of broadband (PC, Mac, XBox360, STB, home monitoring etc.)
- UK homes have few internal networks already
- Home network must be secure from neighbours
- Video requires high bandwidth and it needs to be guaranteed (at least 2M for SD and around 10M for HD)
- The cost of bandwidth into the home: to the viewer, the ISP and the content distributor



## Home networking: the considerations

- Cost of components / maturity of product
- Amount of physical disruption to home
- Approval of technology by regulatory authorities
- Ease of installation
- Reliability / consistency of network created
- Ability to troubleshoot / remote manage network



# Home networking: the solutions

- Wired ethernet / POF / other wired
- HPNA (phone line)
- MoCA (coax)
- WiFi 802.11n
- Ruckus Wireless (smart antenna)
- Powerline

