abitana

How often do you build or renovate?
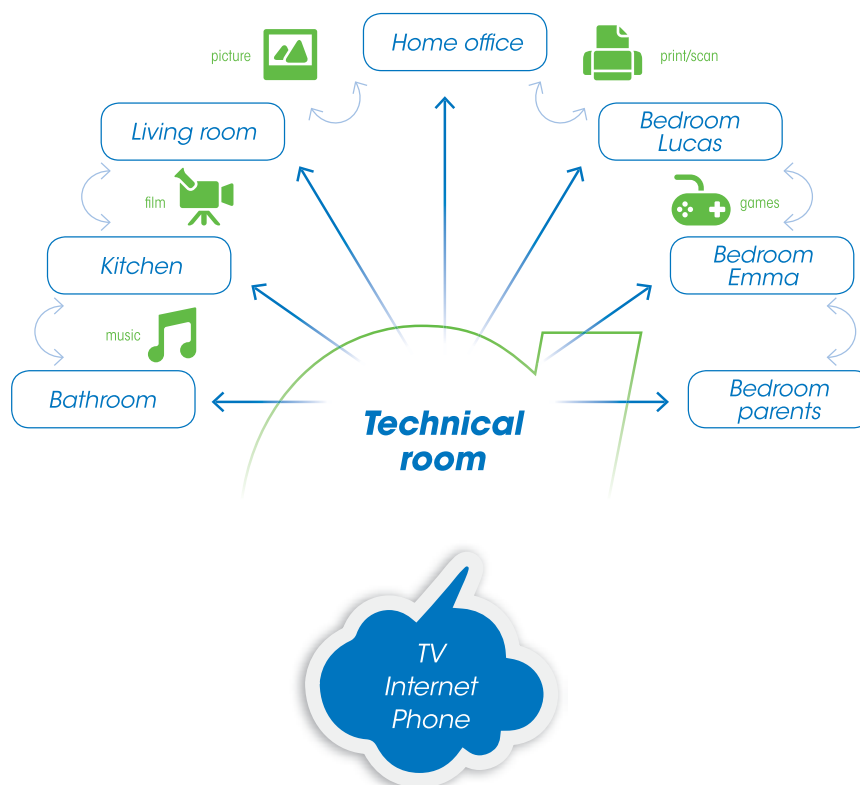
Don't forget the foundations of your home network.

A home network? What for?

Imagine a house without phone, internet or television. Unthinkable... but only **with a well designed home network will you get most out of your devices**. You will be able to connect full powered multimedia and quality internet service to every room of the house.

A home network enables the intercommunication between all your electronic devices. Store pictures and movies on a computer's hard drive, watch them on the television or a tablet. Put your music collection on a network hard disk and listen to your albums in any room of the house. Working with the laptop in the lounge, send the document to the printer in your home office. **The Abitana home network brings reliability, comfort and flexibility**.

How? By **a smart mix of wired and wireless networking**. The wireless network brings mobility. You can use laptop, tablet or smartphone on the Wi-Fi anywhere in the house. The wired network adds the foundations, it is super-fast and trouble-free and it complements the wireless network with the extra punch when and where you need it.

picture

Home office

print/scan

Living room

Bedroom Lucas

film

games

Kitchen

Bedroom Emma

music

Bathroom

Bedroom parents

Technical room

TV
Internet
Phone

What does a Smart Media home network look like?

Each room in the house is fitted with a number of universal OmniMedia wall outlets. Each wall outlet is connected to the central Comms Cabinet, the result is a **star-shaped, wired network** infrastructure. All rooms can be interconnected and your multimedia devices can communicate with each other in a matter of minutes.

Internet, phone, television, music: the home network sends the right signals to the selected wall outlet of each room.

You manage the Central Comms cabinet yourself, and decide which signal goes where. This is how the Smart Media network brings reliability, comfort, and flexibility.

What will you get from a home network?

Switch to another provider without a second thought

Watch TV, phone, surf the internet from anywhere in the house. Every room has access to all the multimedia services. If you wish to change to a new service provider anytime, it is straight forward and will not need any change to the home network setup. You may have been a fan of ADSL for years but consider switching to Cable for broadband or go for satellite TV reception. **Every type of provider can be connected** to the Abitana home network. Be ready for "Fibre to the Home"… it's the next big thing! Is there a new multimedia service on offer? You can easily connect that to the network. No need to drill holes, to redecorate, no messy extension cords because your Smart Media network is future-proof, just plug in the new device and use it.

The guarantee of a reliable Wi-Fi network

Off course you don't have to wait to reap the benefits. Connect all your fixed equipment to the wired network thereby taking the load off your Wi-Fi network.

You will have a faster and more reliable wireless connection for your laptop, tablet and smartphone.

Relax with your work safely backed-up on your network disk.

Share your home office printer

The kids are doing homework in their room and use the internet for doing some research (you hope). When they are finished, they send the files to the printer in your home office, where you are doing some bank transactions online. You intercept their tasks and point out some typos. Just in time.

Watch holiday pictures on TV, tablet or computer

Later friends may drop by. They are eager to hear about your holiday adventures. The perfect excuse to show your pictures and movie-shots on the flatscreen in the lounge. While the children retreat to their bedrooms and have fun trying out an internet game with friends on the other side of the world.

Take a bath and listen to your favourite music

After that cheerful evening you fancy a nice warm bath, and to fully relax, you choose one of your favourite albums to listen to. Your whole collection is stored on the network and you can play it anywhere in the house. You dim the lights, choose the playlist and set the volume by the home automation system. The Abitana Smart Media network takes care of the interconnections.

Work like a pro, whether at home or in the office

The next morning you work from home. At the breakfast table, you check your e-mails on your tablet or smartphone. Then you go to your home office for the serious work. Your printer and desktop workstation are connected to the wired network, and communicate with the corporate server over a secured VPN internet access. Don't worry about the internet dropping out. You have a backup copy of the documents you are drafting on the network disk.

Your interior wins too

Are you proud of your modern design interior? You'll hate the mess that patch cords, power leads and a bunch of remote controls make of it. The Abitana home network does away with them, because the cables are hidden in the wall and the set-top box, BlueRay player and game console are relegated to the technical closet. Out of sight is out of mind. A single universal remote control will keep you in power from your lazy chair.

The internet of things

What do you think of a printer that gives early warning of empty ink cartridge and immediately goes on the internet looking for the cheapest supplier? Absurd? That's what we thought not so long ago about internet phones too. **Technology changes fast.** You've heard about a new development? So did we. We take pride in seeing to it that your **Abitana home network has the future-proofing built-in.**

Where is the remote control?

A TV set, a decoder, a dvd player... and you are familiar with the frustration of numerous remote controls. **With an Abitana home network, you have a free choice of how you control your devices**. Yes you are in charge. Tablet, smartphone? Or would you prefer a wall-mounted touchscreen? It's your choice. Your Abitana integrator will tell you all about it.

Home automation and home networks, is that the same thing then?

Home automation, better known as lighting controls, automates your lights, curtains, blinds and heating. The home network on the other hand, interconnects all your multimedia devices, and gives them access to the external Service provider networks. Not exactly the same thing, but what they have in common is more living comfort.

The home automation system and the home network build a bridge between multimedia and controls. You will enjoy the quality of your favourite movie on the fl atscreen while the home controls make the lights slowly dim, close the blinds and the curtains, turn the temperature up a notch and gradually fill the room with the sound of the home theatre system. All at your command, from thesame touchscreen, tablet or remote control.

Would you rather dine out? The home controls system can tell your multi-room music devices and TVs to help simulate presence in the house… or do just the opposite: when you set the alarm, automatically turn off all the multimedia devices to reduce stand-by power consumption.

Abitana's Smart Media home network offers **a host of interface possibilities** with the major brands of home automation systems by default. You have the freedom to implement what you want, anywhere you want it. Every day, again and again, you will enjoy the best quality, user friendly living experience until finally you take it for granted. This is a good place to come home to.

Even if at the building stage you only invest in the bare cabling, **you'll leave all the options open for the future**. An opportunity you don't want to miss.

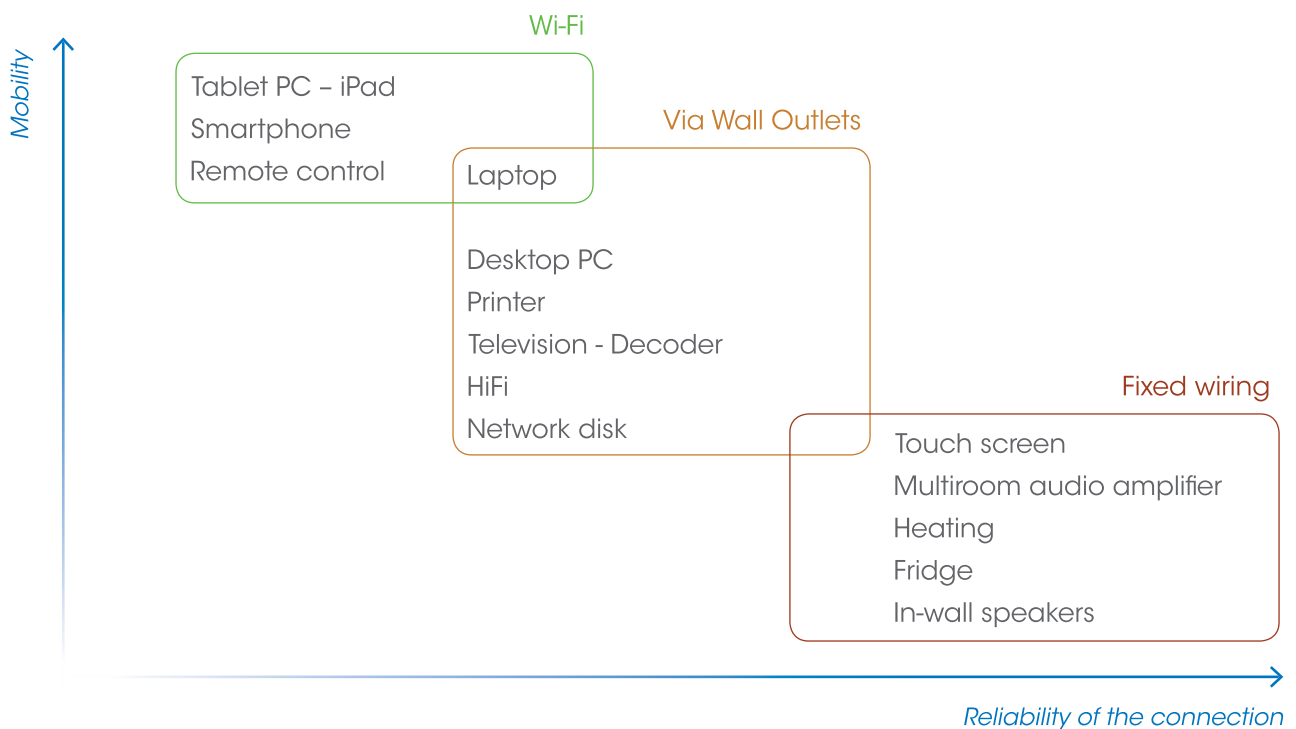# Why bother to wire up the house? Isn't everything going wireless?

Why choose to install a wired network when laptop, tablet, smartphone are all equipped with wireless?

Because wireless has its limitations: interference from mobile phones, thick walls, the neighbour's Wi-Fi, and worst of all, itself. The more devices you connect to the Wi-Fi network, the more risk for malfunctions and the slower it gets. Do you want a carefree high quality multimedia experience? Then a wired network is your only choice. Do you have a room with poor or no Wi-Fi coverage? Just add an extra Wi-Fi access point to the nearest wall outlet of the home network. This will extend the wireless coverage to the entire house. No more dead zones.

Ultra-fast actually. With the wired network, each connected device gets a full 1000 Mbps of speed. On the Wi-Fi, all devices have to share a maximum throughput of 200 Mbps. Abitana's fast Home network is the best guarantee to enjoy music, films and games without disruptions and at the highest resolutions and quality. No wireless network offers this level of performance.
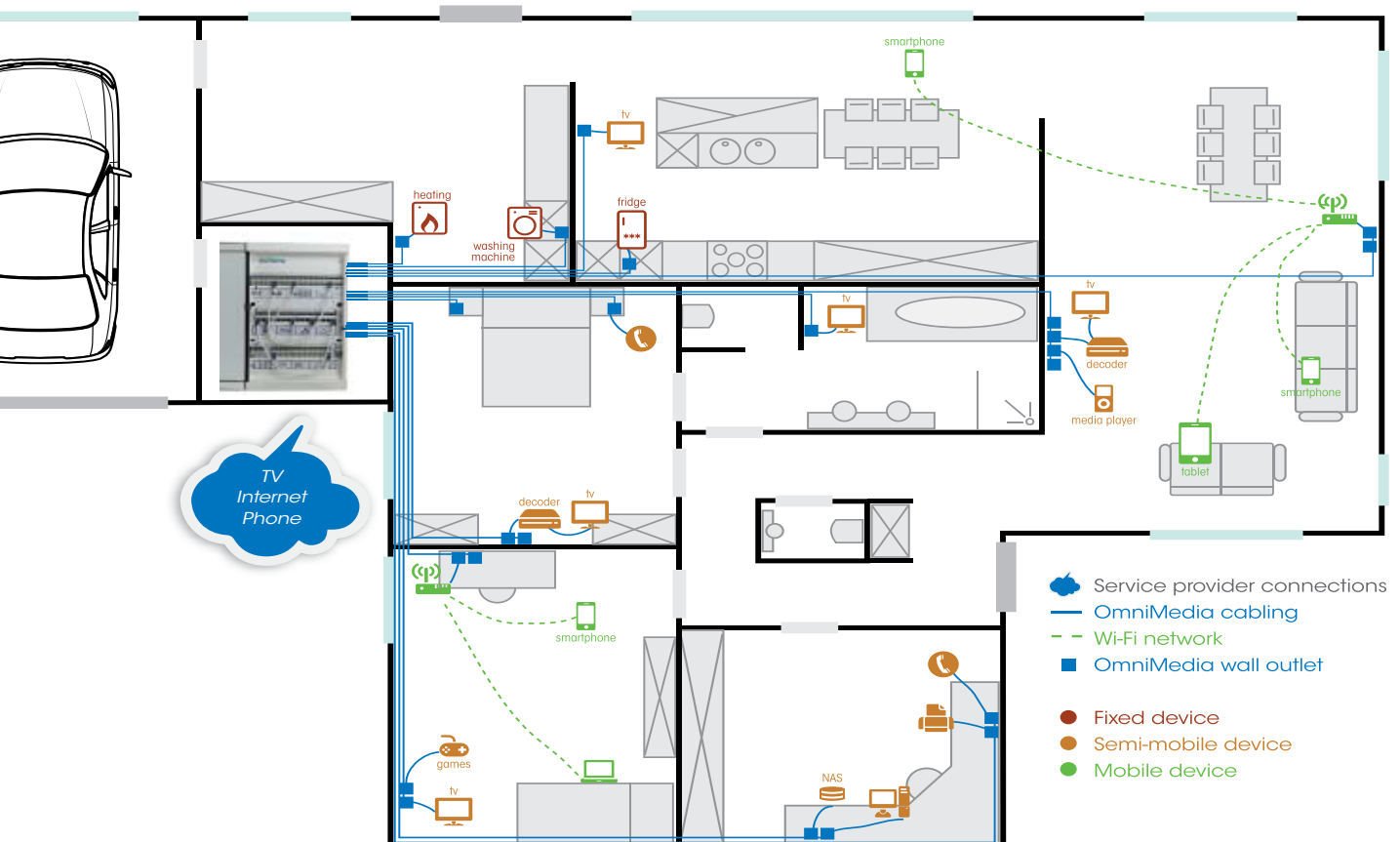
Another reason to choose a wired network? **It offloads traffic from its Wi-Fi colleague**. Connect fixed devices like desktop pc, printer, Smart TV's and decoders to the cabled network. Your mobile Wi-Fi devices will get more throughputs and you'll enjoy the increased surfing capacity.

Building or renovating? Choose for **lifelong comfort.** Choose for the best price and quality. Choose a Smart Media network from Abitana, the home networking people.

Mobility

Wi-Fi

Tablet PC – iPad
Smartphone
Remote control

Via Wall Outlets

Laptop

Desktop PC
Printer
Television - Decoder
HiFi
Network disk

Fixed wiring

Touch screen
Multiroom audio amplifier
Heating
Fridge
In-wall speakers

Reliability of the connection

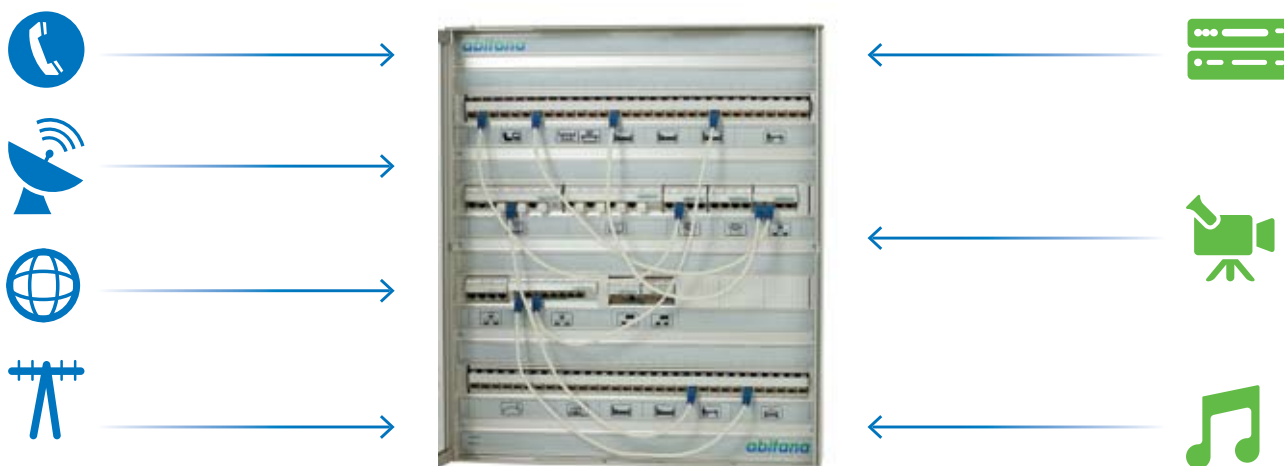| Technology	Advantages	Disadvantages
Cable	Reliable Superfast Best price/quality ratio Transports all types of signals Robust technology Long lifetime	Requires installation Requires investment Need for patch cords
Wi-Fi	Mobility Equips every portable device Small additional investment Easy installation	Prone to interference Unreliable Slow Limited reach, walls are obstacles Drains the batteries Quality drops with number of users Limited lifetime
Powerline	No installation, uses the mains wiring	Very prone to interference Unreliable Slow Not fitted in consumer-electronics Limited lifetime
Mobile network (3G-4G)	Accessible everywhere, even outdoors	High traffic cost Limited functionality, only internet service, no home network functions

Your home network's main components

The Comms Centre

The Comms Centre is the heart of your network. Services from the external providers of TV, Internet and phone are dispatched from this central cabinet to all the rooms of the house. Also internal signals, like movies and pictures from a decoder or media player, music from a PC or MP3 player, or from your stereo set can be distributed via the comms centre. **Each device is connected to the network via an OmniMedia wall outlet**. In the Comms Centre the signals are routed to the right device.

These shallow DIN-rail cabinets can be mounted on-wall or recessed. You have a choice of **many sizes and styles**. It is easy to add extra modules and services. Clear labelling makes the system selfexplanatory and user friendly.

OmniMedia HD1000MHz Comm Centre connectors and wall outlets

Each wall outlet on the home network connects to a corresponding OmniMedia connector in the Comms Centre using Abitana's universal OmniMedia cable. **The wall outlets give flexible access to any type of phone, data, audio and/or video application**.
Do you want future-proof comfort? It is important you plan enough wall outlets at the building stage. This will allow you to add devices without problems.
We recommend these numbers of outlets as a strict minimum for each room:

Room	Number of outlets
Lounge	7 - 9
Kitchen-Diner	2 - 4
Office	4
Bedroom	4
Bathroom	2

OmniMedia HD1000MHz installation cable

This cable interconnects the wall outlets and the Comms Centre. It's superior characteristics guarantee a flawless support of the rapidly evolving applications and transmissions speeds for the next decades. Even satellite television and multiroom music distribution are connected using our smart adapters.

Adapters

A wide range of **audio and video** adapters are available to connect every popular type of consumer equipment to the network. Think stereo, 5.1 or 7.1 surround, composite video, component video, HDMI UltraHD, broadband CaTV, streaming audio-video and Ethernet LAN traffic up to 10Gbps, eventually equipped with an integrated IR passthrough channel for the remote control.

OmniMedia HD1000MHz patch cords

The HD quality OmniMedia patch cords used in the Comms Centre take care of **assigning the desired signal to the correct wall outlet**. Because a network is only as strong as its weakest link, we use superior connectors and cable even for the smallest cords.

TV over Twisted Pair RF amplifier

Are you getting RF television from the Cable provider (DVB-C) or from a Freeview terrestrial antenna (DVB-T) ? Our TV over Twisted Pair wideband amplifier distributes without a glitch the 400+ digital channels in HD quality to every decoder, settopbox, gateway or television set in the home. Each TV output is standard provided with a return channel for interactive digital services (e.g. TV on demand, replay, red button,…)

Fast Ethernet & Gigabit Ethernet Switch

There is a choice of two switches located in the Comms Centre. For a small network, with up to 5 connected devices like modem, printer or pc, you can opt for the **5-port 10/100 Mbps Fast Ethernet** switch. Do you need a larger network or much higher speed? Go for the **8-port Gigabit Ethernet 10/100/1000 Mbps switches.**

Music amplifier

Do you want to enjoy music in every room of the house without the clutter of amplifiers, speakers and their wiring all over the place? Then the Abitana Music amplifier is what you are looking for. It fits in the Comms centre and connects on the one end to any type of music source, on the other to the ceiling, in-wall or on-wall speakers. Do you fancy even more comfort? Connect the amplifier to the home controls system to act as part of the whole-house command system.

Phone/ADSL/VDSL module

This module distributes the phone line (with or without ADSL or VDSL) to 4 rooms. You can use it for the connection of analog devices (phone or fax) as well as digital devices (modem, router, gateway, decoder, settopbox).

abitana

How often do you build or renovate…? You'd better do it properly first time around. Tablets, smartphones and laptops are everywhere and can quickly overload your Wi-Fi network. To have a superfast, always available, network to interconnect all your multimedia devices , turn to a Smart Media home network from Abitana. It will transform your house into a true multimedia hub. Flexible, reliable and a joy to use.

A carefree home network

To enjoy your Abitana home network without a care in the world, rely on our extensive network of Abitana Certified installers – we prefer to call them Systems Integrators. Their qualifications and experience enables them to give you the best advice and the integrated solution you expect. They will take care of planning, installation, certi cation and after-sales services. In practice they turn your ideas and desires into tried and tested working solutions.

About Abitana

Abitana was established in 2002 with the sole aim of designing and manufacturing home networks. We pride ourselves by having the most comprehensive range of solutions in Europe, with a minimum of individual parts. What is it that makes our products unique? The user friendliness and focus on comfort. We call ourselves the home networking people: we build products that we wanted for ourselves in the first place

Discover the wealth of Abitana products on

www.abitana.com
info@abitana.com
Tel +32 (0)2 412 00 60