BR
BLOCKCHAIN ROUTER™

CES

Decentralized
Internet is here

www.router.link
router.eth
email: info@router.link

PATENT PENDING

OVERVIEW

In this document the company Max Powers, LLC is referred to as "Company" and customers making pre-orders are referred to as "Customers". Blockchain Router is referred to as "Router" and the "Product".

This purpose of this document is to provide our current and potential Customers with thorough explanation about the future Product and its features. We would like to thank everyone reading this paper for your interest in the project. We hope that all together we can make **Internet 3.0** grow exponentially!

The fact that we are all aware of – our personal information is being collected for lawful and unlawful purposes every day. While it's extremely hard for a non-technical person to remain anonymous and protected online, we are presenting a **Blockchain Router**, your personal virtual bodyguard.

You will always have a fast and reliable VPN which you can use form anywhere in the world.

You are welcome to browse regular and decentralized resources ending on ".eth" (blockchain-based domains). These are virtually impossible to block by the government, making it much more censorship-resistant. You will have an option to create free email accounts hosted in ".eth" domain zone.

Blockchain Router is a gateway to your privacy and decentralized internet of the future.

Finally, you can potentially earn money with this router! Once we get enough pre-orders and deliver them all, we will roll an optional upgrade to let you sell some of your hard drive space or unused internet bandwidth on the designated online marketplace. You will be able to provide privacy to others, while staying protected yourself.
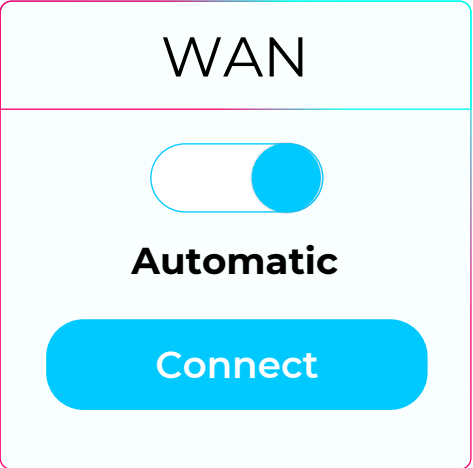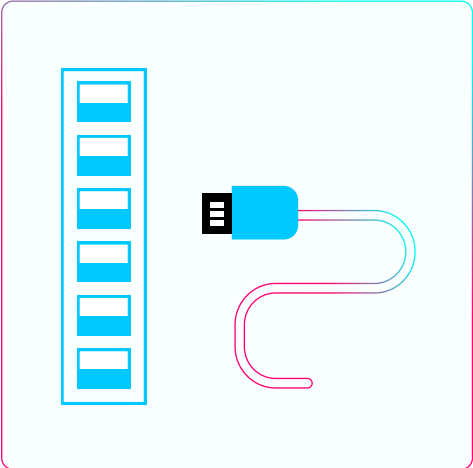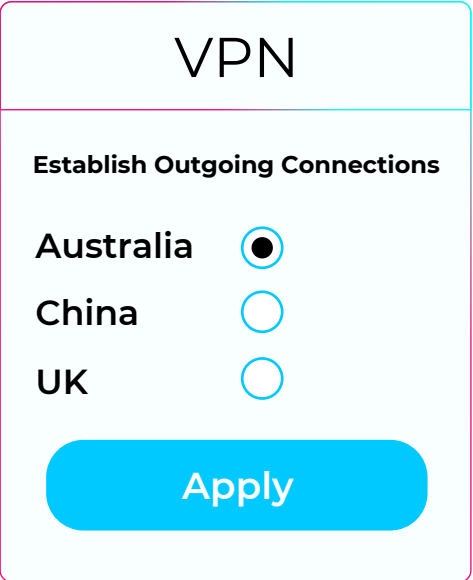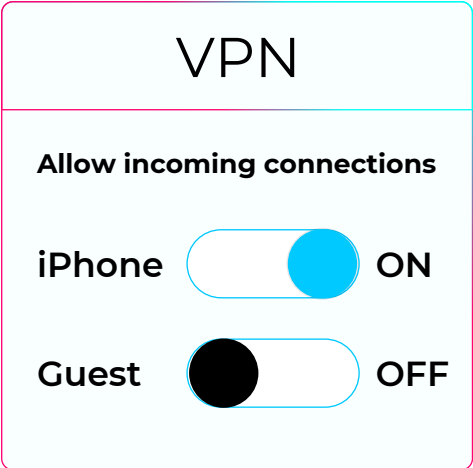
CONTENTS

USER FRIENDLY INTERFACE

Blockchain Router features an interface which everyone can understand:

- **Quick Router setup in plug-n-play fashion**

WAN

Automatic

Connect

- **Manage incoming and outgoing connections**

VPN

Allow incoming connections

iPhone ON

Guest OFF

VPN

Establish Outgoing Connections

Australia ●

China ○

UK ○

Apply

- **Manage connected devices**

LAN

Allow Internet Access

iPhone	⬤ ON
PC	⬤ ON
Android	⬤ OFF

- **Block unwanted websites**

Websites

Block OFF/ON

xxx.com	⬤	**ON**
google.com	⬤	**ON**
youtube.com	⬤	**ON**
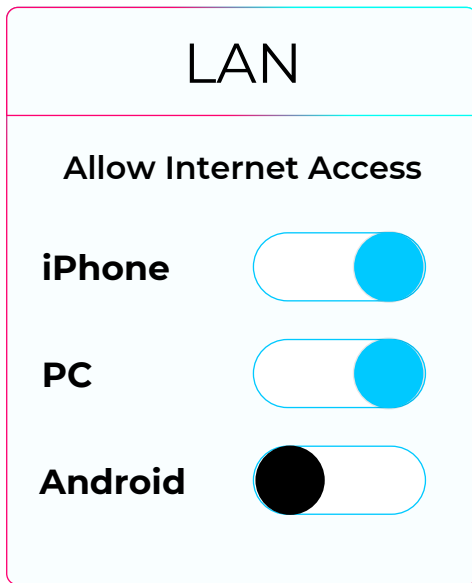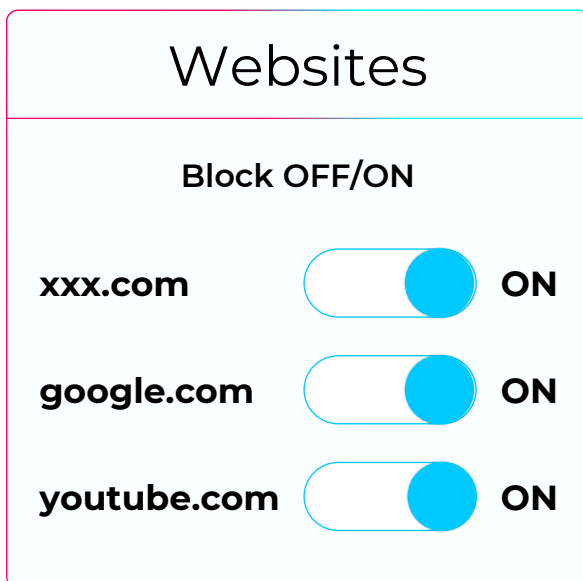
IPHONE & ANDROID APPS

Manage your Router while staying away from home.
Applications will provide customers with the following features:
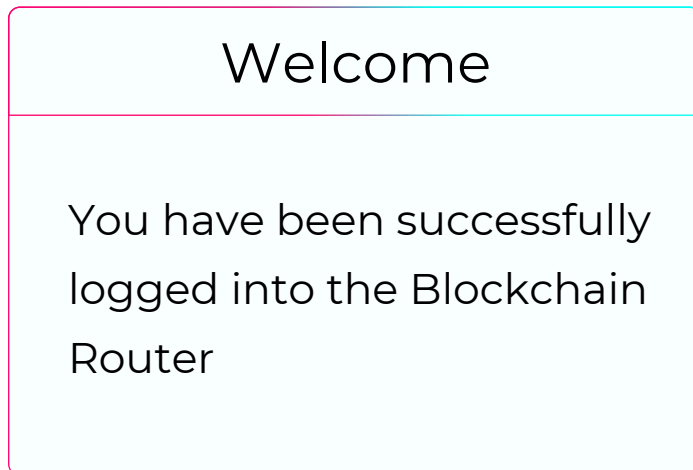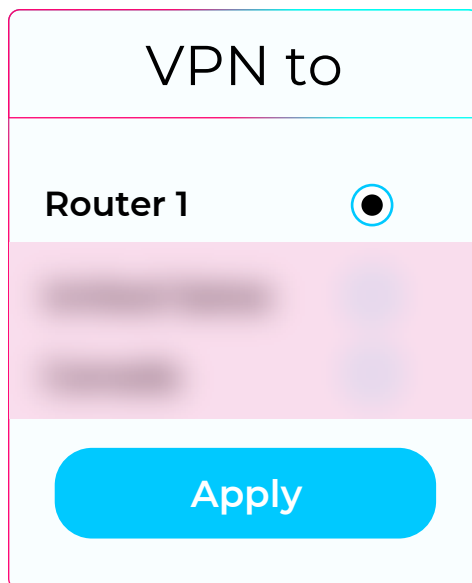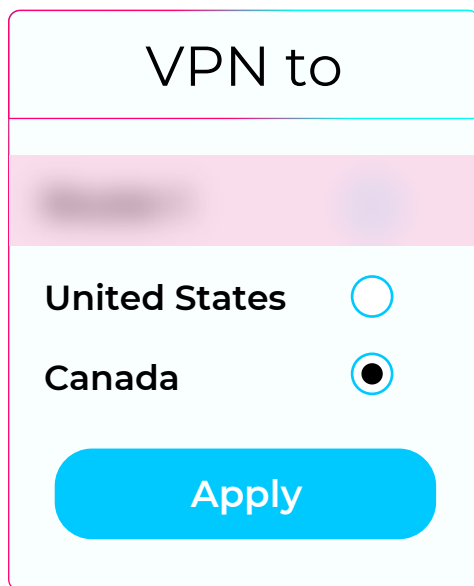
- **Remote access and Router control**

Welcome
You have been successfully logged into the Blockchain Router

- **VPN connection to Router**

VPN to
Router 1 ⦿
Apply

- **VPN connection to one of our provided options**

From now on you may need your Router anytime even when you're traveling. There will be iPhone and Android applications which will let you connect to the Router and manage it remotely.

Change settings, restructure your secured connection, disconnect your kids from the internet – everything is very simple and can be done from the app.

VPN

- **Connect from your Router to another 3rd party provider**

1. Layer protection
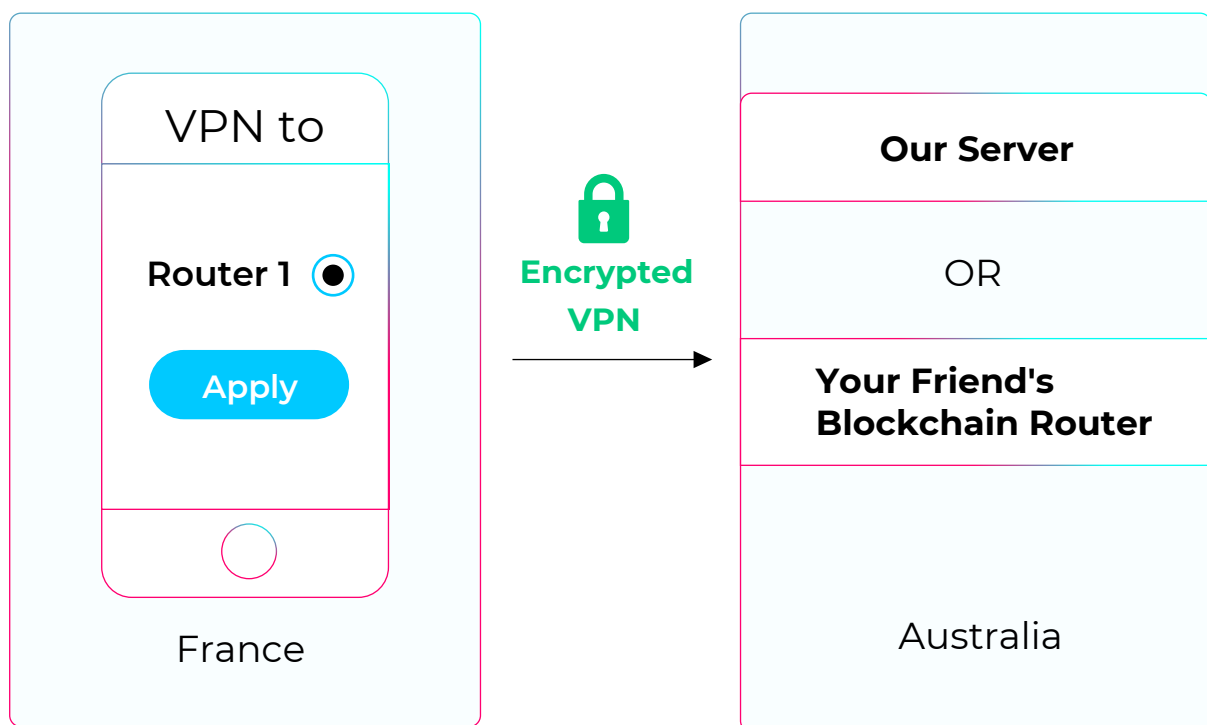
- **Choose our free VPN option (Free only for the 1st year)**

2 Layer VPN protection:

- **Connect to your Router from anywhere in the world**

VPN to

Router 1 ●

Apply

France

🔒
Encrypted VPN

Blockchain Router

VPN

Establish outgoing connection:
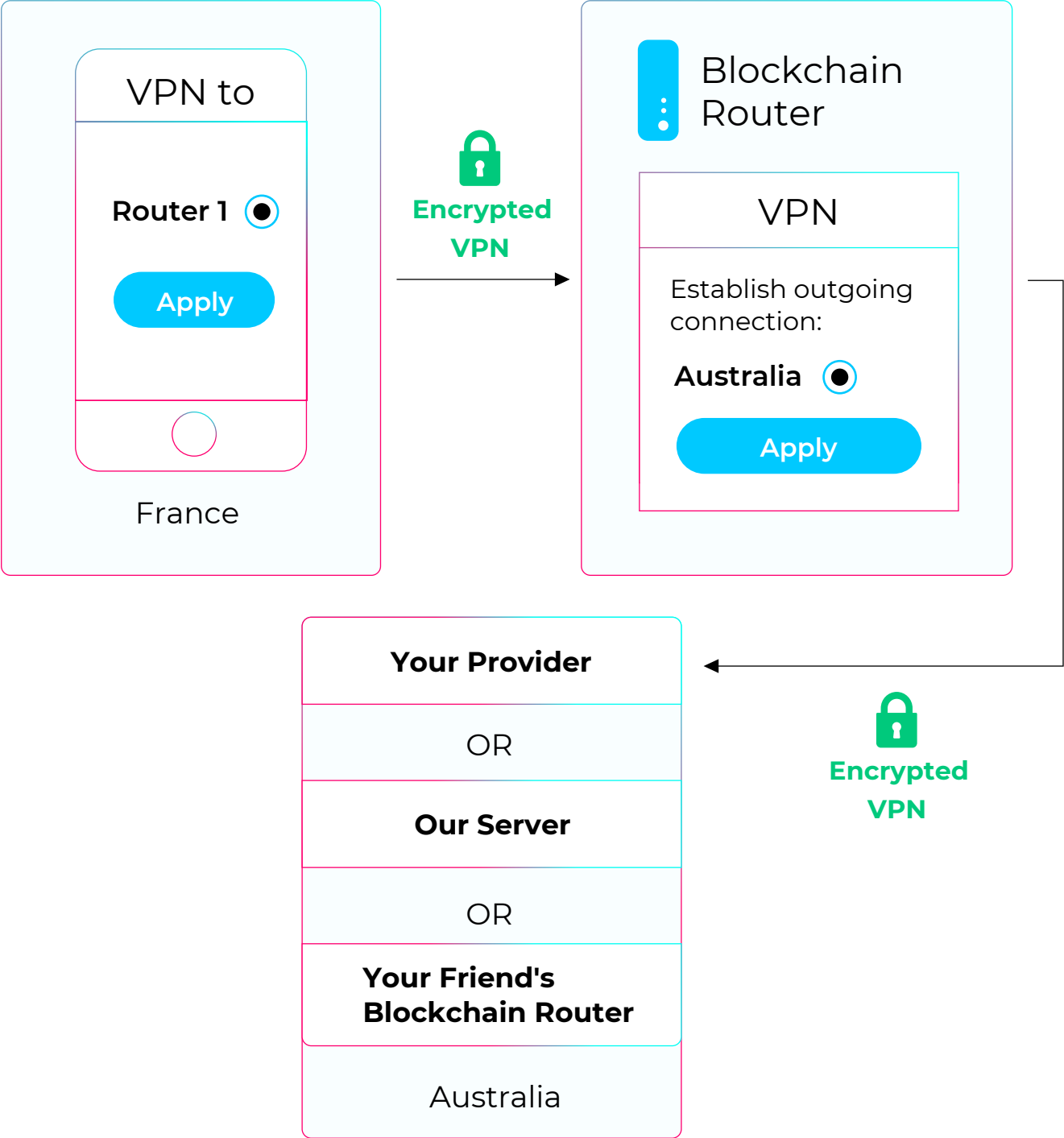
Australia ●

Apply

Your Provider

OR

Our Server

OR

Your Friend's Blockchain Router

Australia

🔒
Encrypted VPN

You can keep your Router permanently connected to the VPN provider or any number of other Routers, which will provide you with the highest degree of privacy. You may as well use your favorite VPN provider or one of our options.

Parental control

Control all devices connected to your Router. Set dates and times when internet access is allowed and maximum connection speed. Block unwanted websites.

These days kids spend a lot of time on the internet. Now you have more tools to control it – limit speed on selected devices, block websites, make your own schedule when certain devices are allowed to access the internet.

Email

Get a free encrypted blockchain email on our decentralized website:

Qmail.eth [we have our own secure and fully encrypted hosting]

Example: Alice@Qmail.eth

This can be one of the ways to communicate on the web 3.0 with the tools you are used to. You can easily set up an email account on our server, no personal information required. You will have an option to store your emails with us or route them to another destination

- **Connect a Flash Drive or a Hard Drive to your Router's USB port and have your correspondence stored right there.**
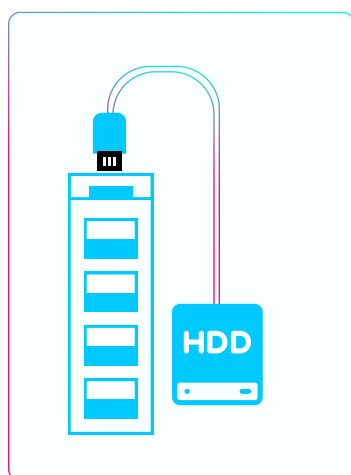
If you're convinced to host your emails on your own Router, simply connect a Thumb Drive or a Hard Drive to the USB port (details about the HDD requirements will follow later). You may use a quick setup option, where you still create a Qmail account, but use it as a relay to your Router; or you may register your own domain and configure appropriate DNS/ENS records, so emails will go straight to your Router.

Correspondence will remain deliverable as long as your Router is online and Thumb Drive / Hard drive is connected.

Internet 3.0

Discover a new ".eth" domain zone and start browsing websites which were inaccessible to you before. VPN to your Router from phone and access ".eth" websites from anywhere in the world on the go.

Quest.eth

Welcome to Decentralized Internet!
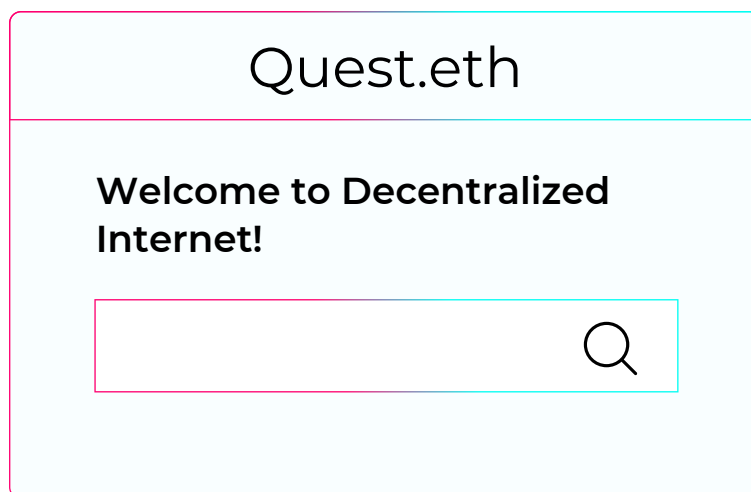
Blockchain Router connects you to the emerging technology, which will eventually take over the world.

We invite you to visit the following websites (may be under construction before the Product is released):

Quest.eth – Ethereum NameSpace search engine.
Qmail.eth – email service.
Router.eth – decentralized version of Router.link website.

In some browsers you may need to put "/" at the end:
quest.eth/

Otherwise your request will be forwarded to the browser's default search engine.

- **Browse decentralized IPFS and SWARM websites. They are virtually unblockable by authorities.**

A new way to securely host and browse internet resources was introduced by the internet community. Now, instead of downloading content from a single source, you are getting pieces of information from different hosts, just like it is done in torrenting.

This makes you much less exposed to your Internet Service Provider and others, who might be interested in getting insights of your internet traffic. At the same time, it allows information to be split in pieces and stored online on multiple resources, which ensures its safety and availability to users.This is the most secure way to browse internet.

Hardware

Advertised characteristics:

- **2.4 GHz & 5 GHz Wireless channels;**

- **MIMO Wi-Fi;**

- **Quad-core 700 MHz CPU;**

- **Passive PoE port;**

- **USB slot for hard drive or 3G/4G/LTE modem;**

- **IPsec hardware acceleration**

- **Small form factor**

Full characteristics:

General		
	Architecture	Arm
	CPU	Quad-core, 700 Mhz
	RAM	128 Mb
	Flash	16 Mb
	Operating temperatures	From -40°F to 122°F
	VPN hardware acceleration IPsec	(-40°C to 50°C)

Size		
	Router dimensions	3.3"(L) x 1.6"(W) x 4.2"(H)
		(86mm x 43mm x 107mm)

Ethernet		
	Number of ports	5
	Maximum speed	Gigabit
	PoE suport	Passive
	Supported PoE Voltage	18-28 V

USB		
	Type	A
	Max current	1 A
	External HDD/USB support	Yes
	3G/4G/LTE modem support	Yes

Wireless		
	Suppoted channels	2.4 Ghz and 5 Ghz
	Maximum bandwidth	1200 Mbps (AC1200)

2.4 Ghz Wi-Fi		
	Max speed	300 Mbps
	Standard	b/g/n
	Chains	2
	Gain	2.5 dBi

5 Ghz Wi-Fi		
	Max speed	850 Mbps
	Standard	a/n/ac
	Chains	2
	Gain	2.5 dBi

Power		
	Maximum consumption	21 W
	Adapter voltage	15-30 VDC

Hardware specifications may change at the Company's discretion, refunds will be provided to Customers unwilling to accept the change.

Wi-Fi coverage

- **Wireless mesh networking available – while single Router provides you with the good signal strength, you have an option to use several Routers to cover a larger area.**

Single Router

Mesh network
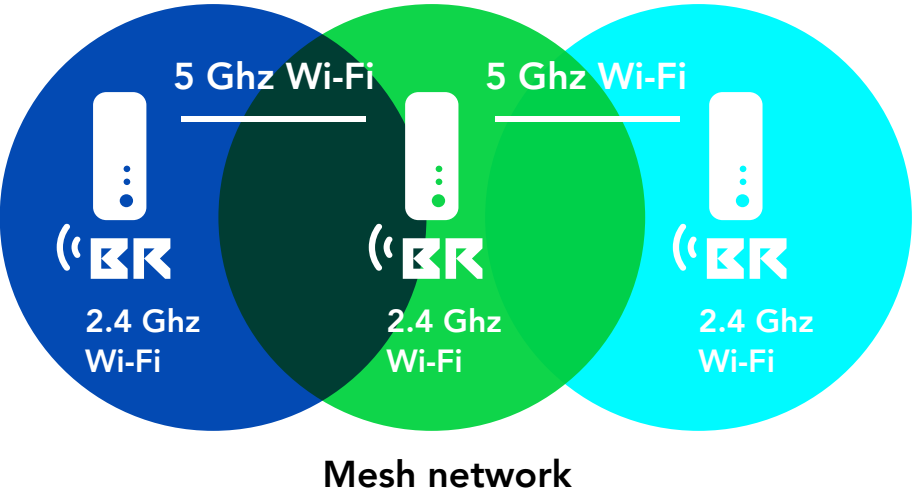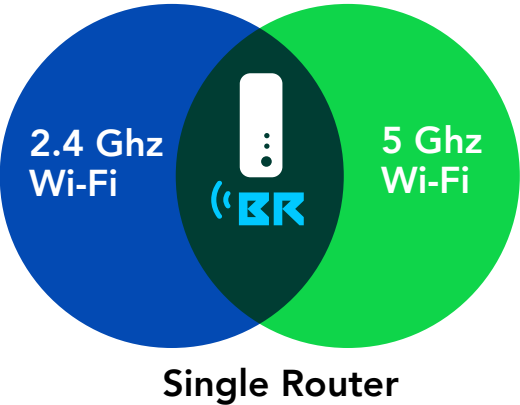
We made this process simple – take 2 routers, select their sync channel (5 GHz by default), your new Wi-Fi will be another frequency that's left (2.4 GHz by default). Start moving them apart and watch their sync channel signal strength decrease. Now you can find the best locations for the Routers to provide you with the stable connection. You can add more Routers to your existing mesh network.

The reason we've chosen to let clients work with 2.4 GHz is because not all devices support 5 GHz yet. Also, higher frequency provides you with much higher data transfer rates, so if you have many devices connected to the secondary Router you will want to have a strong communication channel with the one actually connected to the internet.

OPTIONAL UPGRADES

Will be put in a queue to be additionally developed when pre-sales reach certain amount.

1.   **Personal Cloud. [min.: $200,000]**

a.   Hard Drive connected to the USB slot can be shared between multiple services, including your personal cloud.
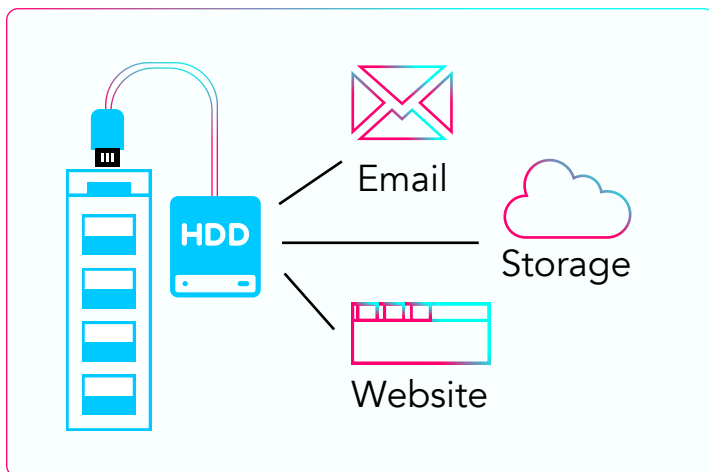
Instead of buying an additional piece of hardware you can use the same Hard Drive / USB flash drive you are using for emails to store your files.

This will be your personal secure cloud and you will be the only person who has access to it – no middleman, no big corporations selling your data, no hackers stealing your private information. If we generate enough sales to work on this update, we'll need approximately 1 additional month to get done with this sub-project.

2.   Digital Profiles. [min.: $300,000]

a.   Hide your original Digital Fingerprint (operating system, screen resolution, language, DNS & LAN IPs, etc.) by using one of our random profiles accessible via iPhone, Android, Mac, and PC.

Appears as a John Doe
from the UK,
browsing the internet from
his Windows XP Computer
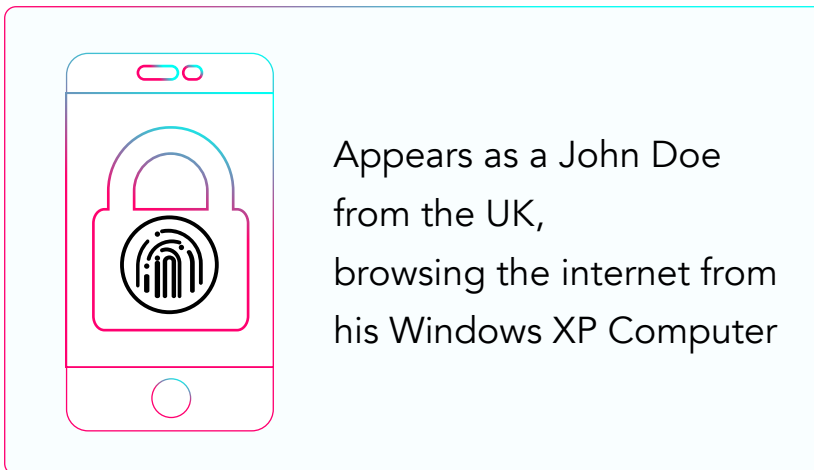
Every time you access a website it is able to collect a lot of data. There's been known cases when person accessing the same website would get different pricing based on the mobile phone used (iOS users got higher prices). So deleting cookies is not enough – your computer or mobile phone can have its profile saved and identified next time. We would like to give our customers a choice; therefore, we will release tools to protect them from profiling and data collection. Simply blocking all requests for information is not always a good idea; this can make it hard to work with certain web resources.

Our solution provides people with artificial "digital fingerprints" which can be changed on demand or switched off. We've generated hundreds of thousands of profiles and successfully tested them. Certain things still need to be adjusted and additional software needs to be released to make the whole process simple and fun. If we generate enough sales we'll be able to make release in about 3 months after all previous work is done.

### 3. Sell your internet bandwidth. [min.: $500,000]

a.   Sell your internet to others on the automated peer-to-peer marketplace, where buyers meet sellers to rent a part of their internet connection.
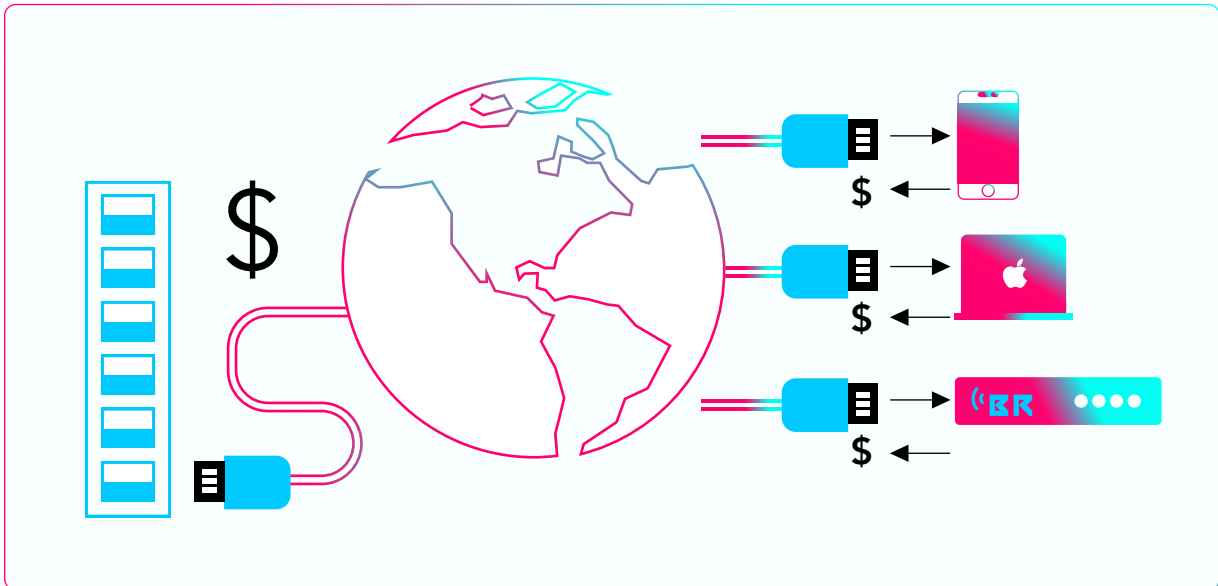
Tired of buying expensive proxy and VPN? We are ready to disturb this market by creating an online marketplace, where individual providers (Router users) will be able to lease a portion of their internet connection. Lack of overhead expenses, such as rent and salaries, will make this type of services much more affordable. Our system will automatically check internet speed, stability, and other factors that may affect the end users. Lessor will simply allocate the bandwidth available for rent and ensure uninterrupted Router operations. We will need another 6 months to develop this solution after all previous work is done.

4. Sell your HDD space. [min.: $800,000]

a.   You will be able to connect a hard drive to your router and sell its space to others who wish to store pieces of information on it using IPFS protocol.
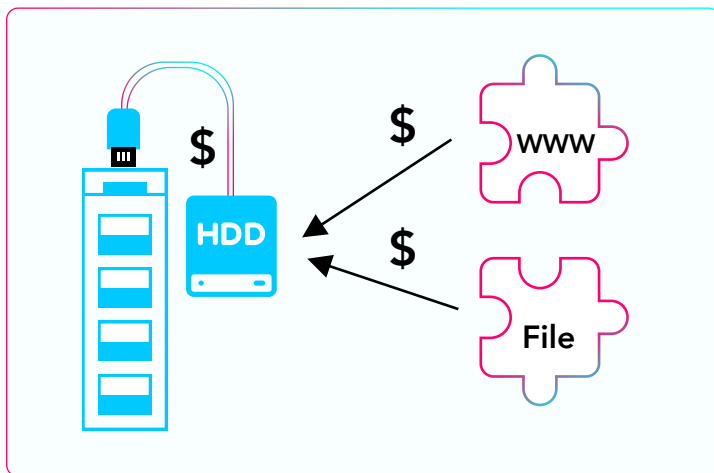
If you like the idea of decentralized internet, you can make money by providing space on the Hard Drive connected to your Router. We expect Internet 3.0 to eventually take over the traditional industry.

All these websites will need to be hosted somewhere, and the best solution is cheap decentralized hosting, which can be provided by the peer network of the Router owners. This will require an additional 6 months to be developed after all previous work is done.