## Uploading, Interface and Configuration

As there is the only one available language for the moment – the Chinese Lucy, I decided to use Google Translator to make screenshots more understandable.

To enter the interface of the router you should visit the web-site **miwifi.com** 

Carol # Umgall *	중小米路由器	
	欢迎使用小米路由器	
	mi miwifi.com   为发达而生1	

Firstly, Lucy recommends to set up a WiFi network and set the password of the administrator. This step is quite simple, so I suppose there is no need in showing screenshots. After linking the router to the general Xiaomi account the welcome screen will look like this:



You can log in either via account or simply enter the password of the administrator. Herewith we can see the name of one of the established WiFi-networks.

Now let us run briefly through the sections:

 Routing status
 穼 小米路由器 🕘 MMFL24G QUR I D the client | Visit the official MiWiFi\_2.4G millet router 世号:RID CPU:取候1GHz Version: 0.6.7 Storage: 930.71 GB Run time: 5 minutes 57 secon MAC Address: BC: BE: BE: 21:90:17 ree Space: 814,9768 The current network status 19.14MB/5 81.19MB/S 2.82GB 1.09GB Terminal traffic statistics 4.1 Android, 280124013 AC. 88, 80 21/

Having logged in, we get to the status page. It displays the basic information on router, network status and a pie chart of the customers' traffic. The information on a network status is quite inadequate, as I am connected to a gigabit network and the connection by no means can be 10 MB/S, especially when the current speed written on the chart is 81.19 MB/S.



The second tab *Device Management* shows the list of connected devices. Here you can quickly control internet access to the devices connected via WiFi.

🛜 小米路由器		MiWiFi_2.4G Quit   Download the client   Visit the official website
	WiFi设置	
Routing status	Outside the	WiFi设置
<b>A</b> Device Management	Network settings	
Network Settings	MAC address	Open the 24G ov
🗘 System Settings	Radio channel and	Name: MiWiFi_2.4G
	Wireless Access	Hide the network is not to be found
	DHCP Static IP	Encryption: 混合加密(WPA/WPA2个人版 ▼
		Password:
		Display password
		Open the 5G or

On the first tab WiFi you can customize 2.4G and 5G WiFi networks.

🛜 小米路由器			WiFi_2.4G Quit   Download the clie	ent   Visit the official website
	WiFi设置			
Routing status	Outside the	Outside the network sett	lings	
A Device Management	Network settings			
Network Settings	MAC address	After testing is recommended that y	you use the network type as DHCP	
System Settings	Radio channel and	Networking Type:	•	
	Wireless Access	21		
e / Kanto	DHCP Static IP	DNS1 :	Optional	
		DNS2 :	Optional	
		Determine		

The second tab is incorrectly translated by Google. In fact, here are ISP connection settings (external network).

🛜 小米路由器	*	MIWiFi_2.4G Quit   Download the client   Visit the official website
	WiFi设置	
Routing status	Outside the	Network settings
A Device Management	Network settings	
Network Settings	MAC address	LAN IP Address: 192.168.1.1
System Settings	Radio channel and	Save
	Wireless Access	
	DHCP Static IP	DHCP服务: 0N
		IP allocation 192.168.1 · 100 - 249 range:
		Lease time: 24 小时 🔹
		Save - strait

On the tab *Network Settings* you can set the router LAN IP and DHCP range.

🛜 小米路由器			MiWiFL2.4G	Quit   Download the client	Visit the official we	ebsite
	WiFi设置					
Ø Routing status	Outside the	MAC addre	ss cloning			
A Device Management	Network settings					
Network Settings	MAC address	You are current For clone MAC	tly using the router's MAC add addresses, please do the follo	ress is: 8C: BE: BE: 21:90:17 , wing:		
System Settings	Radio channel and	Clone	恢复出厂MAC地址	. •		
	Wireless Access	mode:	Save			
	DHCP Static IP					

And here you can set any MAC-address for the router external interface (the internal addresses cannot yet be changed by Lucy).

🛜 小米路由器			🕘 MiWiFi	i_2.4G Quit   Do	ownload the client	Visit the officia	I website
	WiFi设置	De dia da est					
Routing status	Outside the	Radio channel and strength					
A Device Management	Network settings						
Network Settings	MAC address	2.4G网络:	MIWiFi_2.4G				
🗘 System Settings	Radio channel and	Radio channel:	12	•			
	Wireless Access	Band Bandwidth;	40M	•			
	DHCP Static IP	Signal strength:	标准	*			
			Save				
		5G Network:	Not open				

The tab «Radio channell and strength» allow you to choose the channels for WiFi networks, ranges and signal strength. However, as a result the router sets the signal itself.

🥱 小米路由器				2.4G Quit   Downloa	ad the client   Visit t	the official websit		
	WiFi设置	14/2 - L - A	<b>C L L C</b>	1000				
Routing status	Outside the	Wireless Access Control						
A Device Management	Network settings							
Network Settings	MAC address	Control mode: * Blacklist mode (the list of devices allowed to access)  Whitelist mode (only allows devices to access the list) Equipment list:						
O System Settings	Radio channel and							
	Wireless Access							
	DHCP Static IP	Currently connected devices	设备 信息	When connecting long	Connection Speed	Operat		
		Android- 28912df133cef	192.168.1.106 00:11: E1: E0: A	7 minutes and	Upstream: 0.02 downside: 0.02			
		Wireless Access Cont	rol List:					
		设备信息 Operat						
		No equipment add	led.					

On the tab Wireless Access Control you can set up a WiFi access by the schemes of black or white list.

🥱 小米路由器			MiWiFi_2.4G	Quit   Download the clier	nt   Visit the official website
	WiFi设置				
Routing status	Outside the	DHCP Static IP /	Assignment		
A Device Management	Network settings				
Network Settings	MAC address	The current list of con	nnected devices:()		
System Settings	Radio channel and	Device Name	IP地址	MAC地址	Operating
	Wireless Access	EuGenE-PC	192.168.1.235	8C:5F:F4:E7:00:4F	Bound
	DHCP Static IP	Android- 28912df133cef34d	192.168.1.106	00:11:E1:E0:A1:EC	Binding
		Binding list: You can ad	dd from the device list or	manually add	
		IPistit	MAC地址		Operation Full unbundling
		192.168.1.111	BC:5F:F4:E7:00:4F		Unbundling
		Save			

# Assigning static IP-addresses via DHCP



The tab *System Status* shows the standard data for about the router, LAN, WiFi and WAN connections status.

»الالانالان	🛜 小米路由器		EuGené_New Quit   Download the client   Forum   Visit the official website	
		Network Setting	Upgrade detection	
	A storying status	Outside the		
	O Routing settings	Routers Permissions	Found a new version opgradu package utor in 42.55MB, please citik Update Now to the Lattest version.	
		Modify the	Upstate Now	
		Advanced features System functions*	MUMIFI Viewe 34 Outputset log (20,1440/32) Developer Editorio III is particimanto o politizazioni viewe fitti viewe e le fit fano moneto ficionali focus vigiteni ita bility, Android App vinite optimiliarija the user esperience. We look forward to t he EUX6 Feature will lound more elever and ma tere yolg vin togethere, so stary tu	
		System Upgrade	med NAVA opticate log 3, separa PNANE, thermal time, even more can not intri sup- mast track QoS log 2, separa PNANE, to compare the compare provide the compare provide the carity submetabilities 3, repair notine relations, connect time device to display the BANK of the compared to the external motions, even access the notional set BANK of the compared to the external motions, even access the notion calify the BANK of the compared to the external motions, even access the notion calify the BANK of the compared to the external motions, even access the notion calify the set of the compared to the external motions, even access the notion calify the set of the compared to the external motions are access the notion calify the set of the compared to the external motions are access the notion calify the set of the compared to the external motions are access the notion calify the set of the compared to the external motions are access the notion calify the set of the compared to the external motion of the set of the set of the set of the notion of the set of th	
	- 19/	Upload log Upload	e network, such as NAS equipment. 3 continized web management backgrou od session timenut strategies, lognis excuting and more security these militel 6 TV / bock has individual fitiders can no be displayed issue through DUNA access t le enuties. Avstend age upgelare lognis museum entimunifies (ogic contraction, u =	
	cor cor	nlig <b>Bestore</b> Information		
		Reset and Recovery		
	driv	Formattling the hard		

The manual firmware update allows selecting the firmware file locally. When setting the developer version, the router will be repeatedly updated to the latest version. It seems like the cumulative update for the latest version is not provided.

🥱 小米路由器	e E		0	MIWIFI_2.4G Quit   Download the client	Visit the official website
	Routers Permissions	Applicati	on crossed stat		
Routing status	Modify the	Applicati	on speed stat	us <u>u</u>	
A Device Management	Advanced features				
Network Settings	System Status	Set the spee	d limit rules:		
O System Settings	Router manually upgradepplication speed	Application Name	Current speed	Speed mode (0 = not limited speed)	Modification
	Intelligent QoS	Thunder	Upload 0KB / S Download 0KB / S	Open-speed Open-speed	
	speed URNITP PPTP/L2TP	Fast disk	Upload 0KB / S Download 0KB / S	Open-speed Open-speed	
	Port Forwarding				

The next tab probably shows the traffic distribution. However, I didn't understand the essence of this tab.

🤶 小米路由器	고 고		<u>(</u> Э міw	/iFi_2.4G Quit	Download the client	Visit the official website
	Routers Permissions					
Routing status	Modify the	UPnP status				
A Device Management	Advanced features					
Network Settings	System Status	UPnP device list:				
• Hetwork settings	Router manually	Agreement	Application Name	Client IP	Internal Port	External port
System Settings	upgrad application speed	UDP	NAT-PMP 29275 u dp	192.168.1.235	29275	29275
	Intelligent QoS	тср	NAT-PMP 29275 tc	192.168.1.235	29275	29275
	speed Limit?	UDP	NAT-PMP 29276 u dp	192.168.1.111	29275	29276
	PPTP/L2TP	тср	NAT-PMP 29276 tc	192.168.1.111	29275	29276
	Port Forwarding					

The tab UPnP status shows the state of the automatic port forwarding.

🛜 小米路由器	MINIFL2.4G Quit   Download the client   Visit the official website	
Routers Permission     Routing status     Modify the	Port Forwarding	
A Desice Management Advanced features	Pert Forwarding	
O System Settings	Name	
Intelligent QoS speed UMMP	Produced ILCP • External ports	
PETPA2TP Post Forwarding	Internal IP Address	
DMZ DDNS Developer Dation	Add	
HDD automatic	List of rules           Name         Agreement         Estenul port         Internal IP         Internal Port         Operating	
System functions*	No Add	
System Upgrade Uprinad log	Range Forwarding	
Shutdown & Ress Reset and Recover	Protocol: TCP +	
Formatting the ha	s Start Port	
drive. Restore factory	End port	
	Target IP:	
	List of rules	
	Name Agreement Start port End port Destination IP Operating No Add	
	Recome effective	
Egitive C 3354 Miller router   Officia	writen MONER Fern 0.6.22 Developer Edition MAL Aldrein IC DE BE 23 50.0 dar   Official intenditography   official inten (Ther Conversity   Service Aution 600-100-5078	
The manual forwarding adjustment.		

🛜 小米路由器		MIWIFI_2.4G Quit   Download the client   Visit the official website		
	Routers Permissions Modify the	Developer Options		
A Device Management	Advanced features			
Network Settings	System Status Router manually	Plug-in gr= Development Environment:		
System Settings	Addition in an using a dispersion of the interval of the inter	Through SSH tool, enter ssh plugin@miwifi.com-p 2222 log into the router, the default login password admin (after login can change the password via passwd)		

Turning on the mode for plugin developers.

Routers Permissions         Routing status       Modify the         Device Management       Advanced features         Network Settings       System Status         Router manually       Router manually         ystem Settings       upgradepplication speed         Intelligent QoS       speed limitip         PPTP/LZTP       Port Forwarding         DMZ       DMZ	3. 小米路由器		MiWiFi_2.4G Quit   Download the client   Visit the official website		
Routing status Modify the   Device Management Advanced features   System Settings System Status   Router manually Router manually   upgradepplication speed Intelligent QoS   speed UMMP PTTP/L2TP   Port Forwarding DMZ		Routers Permissions			
Device Management       Advanced features         Network Settings       System Status         Router manually       Router manually         upgradepplication speed       Intelligent QoS         speed WithiP       PDTP/L2TP         Port Forwarding       DMZ	Routing status	Modify the	HDD automatic sleep		
Network Settings       System Status         Router manually       Router manually         upgrad@pplication speed       Intelligent QoS         speed limitip       PPTP/L2TP         Port Forwarding       DMZ	Device Management	Advanced features			
Router manually       Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH users do not turn this feature)         (Recommended to connect the router is using SSH	Network Settings	System Status	After opening this function millet router will make it into hibernation in the hard non-working state, to extend the life of the hard drive.		
speed LiifhitiP PPTP/L2TP Port Forwarding DMZ	C System Settings Upgradepplication spectrum Intelligent QoS	Router manually upgradepplication speed Intelligent QoS	(Recommended to connect the router is using SSH users do not turn this feature)		
PPTP/L2TP Port Forwarding DMZ		speed <b>UiPrit</b> P			
DMZ		PPTP/L2TP Port Forwarding			
		DMZ			
		Developer Options			

Here you can turn on the hardware auto sleep mode when it is not being used for a while.

## Mi WiFi client on Android

Now I will show you a cursory review of Mi WiFi client on Android translated by me. By the way, this topic contains an online discussion of this super-device and some data on its research.

Київстар   МТС	0.02K/s 奈 . اا . اا 🚇 22:17	7
$\mathbb{M}$	iWiFi	
邮箱/手机号码		*
密码	•	
Забыл(а) парол	пь Регистрация	u.

At first sight the attention is drawn by hieroglyphs. The reason may be that Chinese didn't bother to make a full localization at least in English, and my translation is based on English local, as I am a complete zero in Chinese :)

The application necessarily demands binding the router to your Mi account required for the valuable functioning of the router. The recently cut but promised to be returned to the firmware applications and plugins use it, too.

Київстар   МТС 🖬 🛛 0	42K/s 🛜 1 🖗 22:22	Київстар   МТС 🖬 0.42К/s 🥱 II 🚱 22:22	Київстар   МТС 🖻	1.1K/s 😤 .ul .ul 🚱 22:25
(î.	8 EuGenE_New Xiaomi_9017	R EuGenE_New Xiaomi_9017 Q 找下载资源	Скачивани	е Скачано
1.0.10	Ско	Скорость внешней сети		
Xiaomi_9017	~ Z			
Xiaomi_9017		历史最高标、1Mic	1周 85,1 M/c	
Пиагностика сети	师!系统已升至新 3 дней назад	帅!系统已升至新版本啦(0.6.22)! З дней назад		
диагностика сети	师!系统已升至影 3 дней назад	师!系统已升至新版本啦(0.6.7)! 3 дней назад		$\sim$
Настройки роутера	师!系统已升至ま 3 дней назад	6 帅!系统已升至新版本啦(0.5.89)! З дней назад		
	(1) 帅!系统已升至新 3 дней назад	师!系统已升至新版本啦(0.4.92)! З дней назад	Нет ска	ачиваемых файлов
	🛑 一台新设备()译	💼 一台新设备()连入啦!快看看是谁? >		바라네트립는
	С 3 Подключе устройств	3 Подключенные устройства В15ев Доступное пространство	рев ное анство	
Отзыв Обновление Выхо,	оо О Плагины музиц <sup>го</sup>	ОО 0 Плагины 1 Intelligent Scene	ent Создать но	+ вую ссылку для скачивания муссиц <sup>юу</sup>

The main screen is divided on three areas, switched by swipe. The main screen shows the information on traffic, downloads, the latest operations of the router, the number of connected devices and the free space available on HDD. The two lower buttons allow entering the plugins and smart scenarios sections.



The right swipe opens the settings menu. The first item leads to the incomprehensible Chinese network diagnostics, while the second item leads to the router settings presented by the most basic parameters. Under the menu is the Update button. Pressing this button allows quickly checking firmware updates of the router or client. However, it is usually not required as in case there installed the latest firmware for the router, the program will automatically inform you even in the background mode. It is very convenient: you can update the home router firmware via OTA while drinking tea at work.

іївстар   МТС 🖃	0.02K/s 奈 <b>1i1i</b> 🙋 22:31	Київо	стар   МТС 🖬	0.00K/s 奈 . <b> </b> .	ul 🤕 22:31
Подклю	ченные устройства	<	android-289	912df133cef3	4d •••
?	??		МАС-адрес:	<b>?</b> 8:00:11:E1:E0:A1:EC	
android-2891	bc5ff4e7004f 48:5D:60:92:A		Доступ в интер	нет	
		0	Общий доступ і	к диску	
		O	Частный досту	пк диску	
		G	WiFi - 2.4G Тип подключения		( <del>,</del>
		C	2 час(а/ов) 57 м Время подключени	минут <sup>ия</sup>	
		Q	ОГБ Общий входящий г	поток	
Быс	трое подключение роутера	0	0 КБ/с Текущая входящая	я скорость	

The connected devices menu also allows configuring internet access individually for each of the connected devices.

Київстар I МТС 🖬 0.03К/s 😤 ні ні 🕢 22:33
Дисковый накопитель
Диск с общим доступом
Зашифрованный диск

Pressing the folder button can lead to the HDD conductor.



For the time being we will not consider plugins.

The *Intelligent Scene* is smart scenarios allowing the owners of Mi WiFi routers felling like owners of smart homes. In theory, these scenarios can configure either a scheduled router functioning (turning on/off the WiFi, turning on/off the router etc.) or home appliances and utensils operation connected to the network or having IR receiver. The bundle of the router, client and such a controller allows controlling home devices manually from a smartphone or configuring alert actions on a schedule. However, this functional is outside the review since I don't have a controller.

## **Mi WiFi Client for PC**

Here we have nothing special to say. The client is entirely in Chinese with poor functionality. Though, it is required for creating a torrent folder on HDD to store torrent files downloaded on hard drive. The process itself is quite simple: you just put a file into a torrent folder and the router starts downloading. If there is a limitation, no more than three files could be downloaded simultaneously. The downloading process can be traced on Android client.

# Tests

The level of the WiFi signal at Newman K1 at a distance of 50 cm from the router and 5 yards through a concrete wall, respectively.



Speed test at Gigabit grid in Kiev:

OOKLA' SPEEDTEST         5130 PAR dHT           DOWNLOAD         UPLOAD         PING           6977.25 Mb/s         790.466 Mb/s         1 ms	OOKLA' SPEEDTEST         6/20/2014           DOWNLOAD         UPLOAD         PING           6900.19         VH/s         240.81         Mb/s         3 ms	OOKLA' SPEEDTEST         54/20/2014 9/13 PM GMT           DOWNLOAD         UPLOAD         PING           6588.10 mb/s         596.30 mb/s         1 ms	OOKLA' SPEEDTEST         6//20/2014           DOWNLOAD         UPLOAD         PING           6522.80 Mb/s         276.41 Mb/s         3 ms
GRADE: A+ (FASTER THAN 99% OF UA) ISP: NASHNET LTD ***** SERVER: KIEV (< 50 mi) MYSKU	GRADE: A+ (FASTER THAN 99% OF UA) ISP: NASHNET LTD ***** SERVER: KIEV (< 50 mi) MYSKU	GRADE: A+     (FASTER THAN 99% OF UA)       ISP: NASHNET LTD     *****       SERVER: KIEV (< 50 mi)	GRADE: A+ (FASTER THAN 99% OF UA) ISP: NASHNET LTD ***** SERVER: KIEV (< 50 mi) MYSKU
OOKLA SPEEDTEST         9:52 presonal           DOWNLOAD         UPLOAD         PING           705.40         806.89         Mois         1 ms           GRADE: A+         (FASTER THAN 99: 0F UA)         ISP NASHNET LTD         UPLOAD           ISP NASHNET LTD         WYSKU <sup>TU</sup> SERVER KIPC (50 mil)         MYSKU <sup>TU</sup>			

#### The test of the HDD in a router mount via samba:



It is strange that a CrystalDiskMark measured reading low, as Total Commander stable shows at least 60 + MB / sec.

## Pros&Cons

- + Powerful filling
- + Nice sleek design
- + WiFi 2.4G + 5G, ac, simultaneous operation of both bands
- + built-in HDD
- + stable TX / RX signal
- + High-speed LAN and WAN transmission
- + clients for mobile platforms
- + cloud services. However, currently the only functioning is the client for Android

 the fan creates a rattling noise. However, it is conspicuous not for all, as the average system unit makes much more noise

 despite active cooling the housing of the router still has a significant heating, but this is tipical for such devices

a mandatory binding to Mi account

## Notes:

\* There are complaints about the stability, but I have no complaints about uptime. It holds a charge for several days, although it was not tested for any longer.

That's all. Please, ask your questions and offer your tests for supplementing the review.

\* In order to avoid impending altercations: I am not a Xiaomi fan, I haven't got a collection of its products, I don't even have one! The aim of this review is not an exalting of another creation of Xiaomi, but an objective review of a particular router. You are welcome to discuss or compare this router to another products, but please avoid proving your right – there is a wide selection of routers on the market, so that everyone can find one for any needs and for any price.