# Solution for MSpa WIFI pairing problem with AVM FRITZ!Box Router

1) Connect to FRITZ!Box via Wi-Fi or network cable (not accessible via guest)

Note: You must enter the full address in your browser with <u>http://fritz.box</u> or open the UI via the emergency IP address <u>http://169.254.1.1</u>. The initial login password is on the back of the router.

#### 2) Set up DNS

Path: Internet -> Account Information -> DNS Server Preferred DNSv4 server: 8.8.8.8 Alternative DNSv4 server: 8.8.4.4

Eptr7	FRITZ!Box 7590	FRITZ!NAS	MyFRITZ!	
CINIT -	Internet > Account Information			?
<ul> <li>Overview</li> <li>Internet</li> <li>Online Monitor</li> <li>Account Information</li> <li>Filters</li> <li>Permit Access</li> <li>MyFRITZ! Account</li> <li>Telephony</li> <li>Home Network</li> <li>Wi-FI</li> <li>Smart Home</li> <li>Diagnostics</li> <li>System</li> </ul>	Internet Connection     IPv6     LISP     AVM Services       Here you can specify whether the servers assigned by the internet service provider should be used for the name resolution of we DNSv4 Servers       O Use DNSv4 servers       Image: Use other DNSv4 servers       Preferred DNSv4 servers       8.8.8.8.8.8.8       Alternative DNSv4 server       8.8.4.4       DNS over TLS (DOT)       Encrypted name resolution in the internet (DNS over TLS)	eb addresses, or oth	ter DNS servers instead.	Eancel
»» Wizards				

## 3) Cancel IPV6

Path: Internet -> Account Information -> IPV6 Uncheck the box shown below

Epty7	FRITZ!Box 7590	FRITZ!NAS	MyFRITZ!	:
	Internet > Account Information			?
Overview Internet  Account Information  Filters  Permit Access	Internet Connection     IPv6     LISP     AVM Services     DNS Server       Here you can enable and configure the IPv6 support of the FRITZIBox.			
MyFRITZ! Account Telephony Home Network			Apply	Cancel
<ul> <li>Wi-Fi</li> <li>Smart Home</li> <li>Diagnostics</li> </ul>				
System Wizards View: Standard Contents Manual				

# 4) Make sure that there are no restrictions on product connection in network access

Path:\_Internet -> Filters -> Parental Controls Find"mxchip" OR "Mspa", switch its rules to "Unrestricted"

EpitrZ.	FRITZ!Box 7590			FRITZ!NAS MyFRITZ!		
	Internet > Filters					?
	Parental Controls Access Profiles					
Overview	Home Network					
💮 Internet 🛛 🔿	0d4a1d40-7854-43d4-9e95-1a0ad3b95e6d	Block	Unlimited	Unrestricted	Standard	~
Online Monitor	iPhone	Block	Unlimited	Unrestricted	Standard	~
Account Informatio	pne-2	Block	Unlimited	Unrestricted	Standard	× .
Filters	PTOP-F034TEVR	Block	Unlimited	Unrestricted	Standard	~
ritters	MiWiFi-R4CM	Block	Unlimited	Unrestricted	Standard	~
Permit Access	mxchip	Block	Unlimited	Restricted	Unrestricted	~
MyFRITZ! Account	mxchip	Block	Unlimited	Restricted	Unrestricted	~
📞 Telephony	nova-8-SE-8fbb840a411d6a3	Block	Unlimited	Unrestricted	Standard	~
Home Network	PC-10-0-6-25	Block	Unlimited	Unrestricted	Standard	~
💮 Wi-Fi	All other devices		Unlimited	Unrestricted	Standard	

5) Switch Wifi protocol to "WPA2(CCMP)" OR "WPA + WPA2" Path: Wi-Fi -> Security -> Encryption

Eptr7	FRITZ!Box	7590		FRITZ!NAS	MyFRITZ!	
	Wi-Fi > Security					?
Overview	Encryption	WPS Quick Connection				
💮 Internet	Specify here how th	e Wi-Fi network is secured.				
📞 Telephony	WPA encryp	tion (highest security)				
Home Network	O non-encryp	ted (not recommended, unpro	otected)			
🗑 Wi-Fi 🔷	WPA Encryption		WFA2(CCMF) OF WFATWFA			
Wi-Fi Network	Define a network ke	y. The network key must be b	etween 8 and 63 characters in length.	_		
Wi-Fi Channel	WPA mode					
Security	WDA2 (CCMP)	~	K			
Schedule	WFA2 (CCMF)					
Guest Access	Network key					

### 6) After restarting the router (or power off and restarting), please follow the operation instructions to perform pairing operation. After successful pairing, upgrade the product through Mspa Link (refer to the video instructions)

Mspa Link upgrade path: SETTING (Click the top left icon) -> Devices -> Device Details -> Firmware Version

Click after entering "UPDATE". The system will be automatically upgraded. If the network condition is good, the upgrade will take more than 40 seconds.

Note: After OTA is successful, it supports IPV6 and WPA3 protocols, and DNS can also be set to the original IP.