TR-064 Support – MyFritz

Supported by FRITZ!

Author: FRITZ! GmbH

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1 urn:X_AVM-DE_MyFritz-com:serviceId:X_AVM-DE_MyFritz1

For details please refer the TR-064 document at
http://www.broadband-forum.org/technical/download/TR-064.pdf.

1.1 History

Date	Version	Changes
2012-02-03	1	Initial version.
2013-02-21	2	Add actions GetNumberOfServices, GetServiceByIndex, SetServiceByIndex and DeleteServiceByIndex
2013-04-24	3	Add argument Type to actions GetServiceByIndex and SetServiceByIndex
2015-11-20	4	Change format of the table header
2017-05-16	5	Add IP related restriction to action SetServiceByIndex
2021-11-16	6	Added state variables "State" and "Email" for GetInfo Added Return values table for "State" Added action SetMyFRITZ
2021-11-22	7	Added allowed values and return values table for state variable Status
2022-02-14	8	Added required rights for actions
2025-08-08	9	Changed AVM to FRITZ!

2 Action List

This chapter contains the supported actions of the service user interface which are listed inclusive arguments.

2.1 GetInfo

Required rights: App, Phone, NAS or Homeauto

Argument name	Direction	Related state variable	Remarks
NewEnabled	out	Enabled	
NewDynDNSName	out	DynDNSName	
NewPort	out	Port	
NewDeviceRegistered	out	DeviceRegistered	
NewState	out	State	
NewEmail	out	Email	

Table 1: Argument list of action GetInfo

2.2 SetMyFritz

Enables or disables MyFRITZ

To enable -> Enabled = "1" and Email = "example@example.com"

To disable -> Enabled = "0" and Email = ""

Required rights: App

Argument name	Direction	Related state variable	Remarks
NewEnabled	in	Enabled	
NewEmail	in	Email	

Table 2: Argument list of action SetMyFRITZ

Enabled	Email	Return code
"0"	empty String	0
"1"	empty String	402
"0"	correct Email as String	0
"1"	correct Email as String	0
not "0" or not "1"	any	402

Table 3: Return codes of action SetMyFRITZ

2.3 GetNumberOfServices

Required rights: App or Phone

Argument name	Direction	Related state variable	Remarks
NewNumberOfServices	out	NumberOfServices	

Table 4: Argument list of action GetNumberOfServices

2.4 GetServiceByIndex

Read and entry to the list of MyFRITZ! services.
Required rights: App or Phone

Remark

The list of services may be reordered by invoking SetServiceByIndex.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	NumberOfServices	
NewEnabled	out	Enabled	
NewName	out	Name	
NewScheme	out	Scheme	
NewPort	out	Port	
NewURLPath	out	URLPath	
NewType	out	Type	
NewIPv4ForwardingWarning	out	IPv4ForwardingWarning	
NewIPv4Addresses	out	IPv4Addresses	
NewIPv6Addresses	out	IPv6Addresses	
NewIPv6InterfaceIDs	out	IPv6InterfaceIDs	
NewMACAddress	out	MACAddress	
NewHostName	out	HostName	
NewDynDnsLabel	out	DynDnsLabel	
NewStatus	out	Status	

Table 5: Argument list of action GetServiceByIndex

Return code	Description	Related argument
402	Invalid arguments	Index not matching type
713	Invalid array index	Index not between 0 and NumberOfServices – 1

Table 6: Return codes of action GetServiceByIndex

2.5 SetServiceByIndex

Add a new entry to the list of MyFRITZ! services or change an existing entry in the list of MyFRITZ! Services.
Required rights: App or Phone

Remark

The list of services may be reordered after a change. Clients can only add services for themselves(their IP address).

Argument name	Direction	Related state variable	Remarks
NewIndex	in	NumberOfServices	
NewEnabled	in	Enabled	
NewName	in	Name	
NewScheme	in	Scheme	
NewPort	in	Port	
NewURLPath	in	URLPath	
NewType	in	Type	
NewIPv4Address	in	IPv4Addresses	
NewIPv6Address	in	IPv6Addresses	
NewIPv6InterfaceID	in	IPv6InterfaceIDs	
NewMACAddress	in	MACAddress	
NewHostName	in	HostName	

Table 7: Argument list of action SetServiceByIndex

Return code	Description	Related argument
402	Invalid arguments	Index not matching type
713	Invalid array index	Index not between 0 and NumberOfServices – 1
600	Argument value is invalid.	NewIPv4Address differs from the requesters IP address
600	Argument value is invalid.	NewIPv6Address is not supported yet.
600	Argument value is invalid.	NewIPv6InterfaceID is not supported yet.
600	Argument value is invalid.	NewMACAddress is not supported yet.
600	Argument value is invalid.	NewHostName is not supported yet.

Table 8: Return codes of action SetServiceByIndex

2.6 DeleteServiceByIndex

Required rights: App or Phone

Argument name	Direction	Related state variable	Remarks
NewIndex	in	NumberOfServices	

Table 9: Argument list of action DeleteServiceByIndex

Return code	Description	Related argument
402	Invalid arguments	Index not matching type
713	Invalid array index	Index not between 0 and NumberOfServices – 1

Table 10: Return codes of action DeleteServiceByIndex

3 Service States Table

Variable name	Allowed values (* == default)	Data type
DeviceRegistered		Boolean
DynDnsLabel		String
DynDNSName		String
Email		String
Enabled		Boolean
HostName		String
IPv4Addresses		String
IPv4ForwardingWarning	0 – unknown 1 – IPv4Forwarding not necessary or succeeded 2 – IPv4Forwarding failed	ui1
IPv6Addresses		String
IPv6InterfaceIDs		String
MACAddress		String
Name		String
NumberOfServices		ui4
Port		ui4
Scheme	Example http://	String
State	myfritz_disabled, register_failed, unregister, dyndns_unknown, dyndns_active, dyndns_update_failed, dyndns_auth_error, dyndns_server_unreachable, dyndns_server_error, dyndns_server_update, dyndns_not_verified, dyndns_verified, reserved, unknown(*)	String

Variable name	Allowed values (* == default)	Data type
Status	0, 1, 10, 99, 200, 250, 251, 252, 253, 254, 255, 300, 301	ui4
Type	Empty string; servicetype_app_camera	String
URLPath		String

Table 11: Variable list

4 State

Return value	Description
myfritz_disabled	MyFritz is disabled (Enabled is 0) or the Fritz!Box is not registered
register_failed	Failed to register Fritz!Box. Also the Fritz!Box retries to register
unregister	Fritz!Box will be unregistered
dyndns_unknown	Fritz!Box is registered. DynDNS is unknown
dyndns_active	Fritz!Box is registered. DynDNS is active
dyndns_update_failed	Fritz!Box is registered. DynDNS update failed
dyndns_auth_error	Fritz!Box is registered. DynDNS update failed (authentication error)
dyndns_server_unreachable	Fritz!Box is registered. DynDNS update failed (server not reachable)
dyndns_server_error	Fritz!Box is registered. DynDNS update failed (server responded with error)
dyndns_server_update	Fritz!Box is registered. DynDNS update failed (server responded with no adress update possible)
dyndns_not_verified	Fritz!Box is registered. DynDNS update succeed, not verified
dyndns_verified	Fritz!Box is registered. DynDNS update succedd, verified
reserved	This state is reserved but not in use
unknown	Unknown state was responded

Table 12: Return values of state variable State

5 Status

Return value	Description
0	Fritz!Box is not registered
1	Fritz!Box is registered, but MyFRITZ is disabled
10	Device register failed
99	Fritz!Box is registered, device will be registered
200	DynDNS update is running
250	Unknown DynDNS update error
251	DynDNS update error (authentication error)
252	DynDNS update error (no internet)
253	DynDNS update error (not reachable)

Return value	Description
254	DynDNS update error (bad reply)
255	DynDNS update error (update failed)
300	DynDNS successfully updated, IP validation is running
301	DynDNS successfully updated, IP is validated

Table 13: Return values of state variable Status