

TR-064 Support – X_AVM-DE_USPController

Supported by AVM

Author: AVM GmbH

Date: 2022-10-07

1 urn:X_AVM-DE_USPController-com:serviceId:X_AVM-DE_USPController1

For details please refer the TR-064 document at

https://www.broadband-forum.org/technical/download/TR-064_Corrigendum-1.pdf.

1.1 History

Date	Version	Changes
2022-06-14	1	Initial Version
2022-10-07	2	Actions GetUSPMyFRITZEnable and SetUSPMyFRITZEnable with corresponding statevars can be optional
2022-10-18	3	VoIP-AccessRight Flag added

Inhaltsverzeichnis

1	urn:X_AVM-DE_USPController-com:serviceId:X_AVM-DE_USPController1.....	1
1.1	History.....	1
2	Action List.....	2
2.1	GetInfo.....	2
2.2	GetUSPControllerByIndex.....	3
2.3	GetUSPControllerNumberOfEntries.....	3
2.4	AddUSPController.....	3
2.5	DeleteUSPControllerByIndex.....	4
2.6	SetUSPControllerEnableByIndex.....	5
2.7	GetUSPMyFRITZEnable.....	5
2.8	SetUSPMyFRITZEnable.....	5
3	Service States Table.....	6

2 Action List

This chapter contains the supported actions of the service Hosts which are listed incl. arguments.

2.1 GetInfo

Returns information about variables for the USPController actions.

Required rights: Any

Argument name	Direction	Related state variable	Remarks
NewMinCharsEndpointID	out	MinCharsEndpointID	
NewMaxCharsEndpointID	out	MaxCharsEndpointID	
NewAllowedCharsEndpointID	out	AllowedCharsEndpointID	
NewMinCharsHostname	out	MinCharsHostname	
NewMaxCharsHostname	out	MaxCharsHostname	
NewMinCharsPath	out	MinCharsPath	
NewMaxCharsPath	out	MaxCharsPath	
NewMinCharsUsername	out	MinCharsUsername	
NewMaxCharsUsername	out	MaxCharsUsername	
NewMinCharsPassword	out	MinCharsPassword	
NewMaxCharsPassword	out	MaxCharsPassword	
NewUSPMyFRITZEnabled	out	USPMyFRITZEnabled	This can be optional

Table 1: Argument list of action GetInfo

2.2 GetUSPControllerByIndex

Retrieves all attributes of a USP controller by Index

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	out	Enable	
NewEndpointID	out	EndpointID	
NewMTP	out	MTP	
NewHostname	out	Hostname	
NewPath	out	Path	
NewPort	out	Port	
NewUseTLS	out	UseTLS	
NewAccessRightSmarthome	out	AccessRightSmarthome	
NewAccessRightMesh	out	AccessRightMesh	
NewAccessRightInternet	out	AccessRightInternet	
NewAccessRightSystem	out	AccessRightSystem	
NewAccessRightController	out	AccessRightController	
NewAccessRightWiFi	out	AccessRightWiFi	
NewAccessRightVoIP	out	AccessRightVoIP	
NewUsername	out	Username	

Table 2: Argument list of action GetUSPControllerByIndex

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers
600	Arg Invalid	Argument Value is invalid
713	Invalid Array Index	The array index is out of bounds

Table 3: Return codes of action GetUSPControllerByIndex

2.3 GetUSPControllerNumberOfEntries

Returns the number of USP controllers configured on this device

Argument name	Direction	Related state variable	Remarks
NewUSPControllerNumberOfEntries	out	USPControllerNumberOfEntries	

Table 4: Argument list of action GetUSPControllerNumberOfEntries

2.4 AddUSPController

Adds a new USP controller and returns the Index of it

Argument name	Direction	Related state variable	Remarks
NewEnable	in	Enable	
NewEndpointID	in	EndpointID	
NewMTP	in	MTP	
NewHostname	in	Hostname	
NewPath	in	Path	
NewPort	in	Port	
NewUseTLS	in	UseTLS	
NewAccessRightSmarthome	in	AccessRightSmarthome	
NewAccessRightMesh	in	AccessRightMesh	
NewAccessRightInternet	in	AccessRightInternet	
NewAccessRightSystem	in	AccessRightSystem	
NewAccessRightController	in	AccessRightController	
NewAccessRightWiFi	in	AccessRightWiFi	
NewAccessRightVoIP	in	AccessRightVoIP	
NewUsername	in	Username	
NewPassword	in	Password	
NewIndex	out	Index	

Table 5: Argument list of action AddUSPController

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers
600	Arg Invalid	Argument Value is invalid
820	Internal error	Unable to fetch at least one of the information.

Table 6: Return codes of action AddUSPController

2.5 DeleteUSPControllerByIndex

Removes a USP controller by Index

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	

Table 7: Argument list of action DeleteUSPControllerByIndex

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers
600	Arg Invalid	Argument Value is invalid
713	Invalid Array Index	The array index is out of bounds
820	Internal error	Unable to fetch at least one of the information.

Table 8: Return codes of action DeleteUSPControllerByIndex

2.6 SetUSPControllerEnableByIndex

Enables/Disables a USP controller by Index

1 to enable, 0 to disable

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	in	Enable	

Table 9: Argument list of action SetUSPControllerEnableByIndex

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers
600	Arg Invalid	Argument Value is invalid
713	Invalid Array Index	The array index is out of bounds
820	Internal error	Unable to fetch at least one of the information.

Table 10: Return codes of action SetUSPControllerEnableByIndex

2.7 GetUSPMyFRITZEnable

[This action is optional.](#)

Retrieves the Enabled/Disabled status of the USP MyFRITZ controller

Required rights: Any

Argument name	Direction	Related state variable	Remarks
NewUSPMyFRITZEnabled	out	USPMyFRITZEnabled	

Table 11: Argument list of action GetUSPMyFRITZEnable

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers
820	Internal error	Unable to fetch at least one of the information.

Table 12: Return codes of action GetUSPMyFRITZEnable

2.8 SetUSPMyFRITZEnable

This action is optional.

Enables/Disables the USP MyFRITZ controller

1 to enable, 0 to disable

Required rights: AppRights

Argument name	Direction	Related state variable	Remarks
NewUSPMyFRITZEnabled	in	USPMyFRITZEnabled	

Table 13: Argument list of action SetUSPMyFRITZEnable

Return code	Description	Related argument
402	Invalid Args	Invalid argument names or numbers

Table 14: Return codes of action GetUSPMyFRITZEnable

3 Service States Table

Variable name	Send events	Allowed values (* == default)	Data type	Date
AccessRightController	no	0(*)	Boolean	2022-06-13
AccessRightInternet	no	0(*)	Boolean	2022-06-13
AccessRightMesh	no	0(*)	Boolean	2022-06-13
AccessRightSmarthome	no	0(*)	Boolean	2022-06-13
AccessRightSystem	no	0(*)	Boolean	2022-06-13
AccessRightWiFi	no	0(*)	Boolean	2022-06-13
AccessRightVoIP	no	0(*)	Boolean	2022-08-09
AllowedCharsEndpointID	no	0123456789ABCDEFGHIJKL MNOPQRSTUVWXYZabcdef ghijklmnopqrstuvwxyz:~_`%	String	2022-06-13
IPAddress	no		String	2022-06-13
Enable	no	0(*)	Boolean	2022-06-13
EndpointID	no		String	2022-06-13
Hostname	no		String	2022-06-13
Index	no	0(*), (0 - USPController NumberOfEntries-1)	ui4	2022-06-13
MaxCharsEndpointID	no	64(*)	ui2	2022-06-13
MaxCharsHostname	no	255(*)	ui2	2022-06-13
MaxCharsPassword	no	255(*)	ui2	2022-06-13
MaxCharsPath	no	1024(*)	ui2	2022-06-13
MaxCharsUsername	no	255(*)	ui2	2022-06-13
MinCharsEndpointID	no	0(*)	ui2	2022-06-13
MinCharsHostname	no	0(*)	ui2	2022-06-13
MinCharsPassword	no	0(*)	ui2	2022-06-13
MinCharsPath	no	0(*)	ui2	2022-06-13
MinCharsUsername	no	0(*)	ui2	2022-06-13
MTP	no	websocket(*), mqtt	String	2022-06-13
Password	no		String	2022-06-13
Path	no		String	2022-06-13
Username	no		String	2022-06-13
USPControllerNumberOfEntries	no	0(*)	ui4	2022-06-13
USPMyFRITZEnabled	no	0(*)	Boolean	2022-06-13

Table 15: Variable list

Variable name	Description
AccessRightController	Boolean: access right for “Controller”
AccessRightInternet	Boolean: access right for “Internet”
AccessRightMesh	Boolean: access right for “Mesh”
AccessRightSmarthome	Boolean: access right for “Smarthome”
AccessRightSystem	Boolean: access right for “System”
AccessRightWiFi	Boolean: access right for “WiFi”
AccessRightVoIP	Boolean: access right for “VoIP”
AllowedCharsEndpointID	Usable characters for EndpointID
IPAddress	
Enable	Enabled/Disabled status for this controller
EndpointID	Unique Key for this controller
Hostname	Server hostname
Index	Controller index (0 - USPController NumberOfEntries-1)
MaxCharsEndpointID	Max number of characters for EndpointID
MaxCharsHostname	Max number of characters for Hostname
MaxCharsPassword	Max number of characters for Password
MaxCharsPath	Max number of characters for Path
MaxCharsUsername	Max number of characters for Username
MinCharsEndpointID	Min number of characters for EndpointID
MinCharsHostname	Min number of characters for Hostname
MinCharsPassword	Min number of characters for Password
MinCharsPath	Min number of characters for Path
MinCharsUsername	Min number of characters for Username
MTP	Used Message Transfer Protocol
Password	Server password (for login)
Path	Server path
Username	Server username (for login)
USPControllerNumberOfEntries	Number of USP controllers
USPMyFRITZEnabled	Enabled/Disabled status for MyFRITZ USP contoller

Table 16: Variable description