TR-064 Support – Homeauto

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1 urn:X_AVM-DE_Homeauto-com:serviceId:X_AVM-DE_Homeauto1

For details please refer the SCPD files on the device.

2 History

Date	Version	Changes
02.06.15	1	Draft 1
12.06.16	2	Version 2 CHG: Present datatype to PresentEnum ADD: PresentEnum
07.07.17	3	CHG: History date CHG: Service Name ADD: Prefix "New" to argument names
25.09.18	4	Added "-" to allowed chars for state parameter AIN for proper group device support. Added some virtual device specific information in action description of GetGeneric/SpecificDeviceInfos. Added action GetInfo. Added some example values for parameter ProductName.
29.04.19	5	Added new action: SetDeviceName, Extended returned parameter of action GetInfo. Added state variables: MaxCharsAIN, MinCharsAIN, MaxCharsDeviceName and MinCharsDeviceName.

Content

3 Action List

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

3.1 GetInfo

Return a string with all allowed chars for state variable AIN and max and min allowed value length for AIN and DeviceName.

Argument name	Direction	Meaning	Data type
NewAllowedCharsAIN	out	String with all allowed chars for state variable AIN	string
MaxCharsAIN	out		ui2
MinCharsAIN	out		ui2
MaxCharsDeviceName	out		ui2
MinCharsDeviceName	out		ui2

Table 1: Argument list of action GetInfo

Return code	Description	Related argument
402	Invalid arguments	Any input parameter
820	Internal error	

Table 2: Return codes of action GetInfo

3.2 GetGenericDeviceInfos

Read values/states for action parameters for devices by index
- Required rights: Homeauto

When a smart home group is requested, the DeviceName represents the name of the group. When a virtual device (groups or templates) are requested the ProductName is set to "Group" or "Template".

Argument name	Direction	Meaning	Data type
NewIndex	in	Index homeautomation device list	ui2
NewAIN	out	Device identifier	string
NewDeviceId	out	Device ID	ui2
NewFunctionBitMask	out	Device function information	ui2
NewFirmwareVersion	out	FRITZ!OS version	string
NewManufacturer	out	Manufacturer information	string
NewProductName	out	Devicetype, eg. "Group", "Template", "HAN-FUN", "AVM DECT Telefon C3", "Comet DECT", "FRITZ!DECT 200", "FRITZ!DECT Repeater 100", "unknown"	string
NewDeviceName	out	Devicename	string
NewPresent	out	Connection status	PresentEnum
NewMultimeterIsEnabled	out	Feature is supported	EnabledEnum
NewMultimeterIsValid	out	Value is valid	ValidEnum

Argument name	Direction	Meaning	Data type
NewMultimeterPower	out	Power value [1/100 W]	ui4
NewMultimeterEnergy	out	Energy value [Wh]	ui4
NewTemperatureIsEnabled	out	Feature is supported	EnabledEnum
NewTemperatureIsValid	out	Value is valid	ValidEnum
NewTemperatureCelsius	out	Temperature [1/10°C]	i4
NewTemperatureOffset	out	Temperature offset [1/10°C]	i4
NewSwitchIsEnabled	out	Feature is supported	EnabledEnum
NewSwitchIsValid	out	Value is valid	ValidEnum
NewSwitchState	out	Switch status	SwStateEnum
NewSwitchMode	out	Switch timer control	SwModeEnum
NewSwitchLock	out	Switch keylock	bool
NewHkrIsEnabled	out	HKR feature is supported	EnabledEnum
NewHkrIsValid	out	HKR values are valid	ValidEnum
NewHkrIsTemperature	out	Value is temperature [1/10 °C]	i4
NewHkrSetVentilStatus	out	HKR set valve status	VentilEnum
NewHkrSetTemperature	out	Value set temperature [1/10 °C]	i4
NewHkrReduceVentilStatus	out	HKR reduce valve status	VentilEnum
NewHkrReduceTemperature	out	Value reduce temperature [1/10 °C]	i4
NewHkrComfortVentilStatus	out	HKR comfort valve status	VentilEnum
NewHkrComfortTemperature	out	Value comfort temperature [1/10 °C]	i4

Table 3: Argument list of action GetGenericDeviceInfos

Return code	Description	Related argument
402	Invalid arguments	Any input parameter
501	Action failed	Any input parameter
713	Invalid array index	Index
820	Internal error	

Table 4: Return codes of action GetGenericDeviceInfos

3.3 GetSpecificDeviceInfos

Read values/states for action parameters for devices by AIN
- Required rights: Homeauto

When a smart home group is requested, the DeviceName represents the name of the group. When a virtual device (groups or templates) are requested the ProductName is set to "Group" or "Template".

Argument name	Direction	Meaning	Data type
NewAIN	in	Device identifier	string
NewDeviceId	out	Device ID	ui2
NewFunctionBitMask	out	Device function information	ui2

Argument name	Direction	Meaning	Data type
NewFirmwareVersion	out	FRITZ!OS version	string
NewManufacturer	out	Manufacturer information	string
NewProductName	out	Devicetype, eg. "Group", "Template", "HAN-FUN", "AVM DECT Telefon C3", "Comet DECT", "FRITZ!DECT 200", "FRITZ!DECT Repeater 100", "unknown"	string
NewDeviceName	out	Devicename	string
NewPresent	out	Connection status	PresentEnum
NewMultimeterIsEnabled	out	Feature is supported	EnabledEnum
NewMultimeterIsValid	out	Value is valid	ValidEnum
NewMultimeterPower	out	Power value [1/100 W]	ui4
NewMultimeterEnergy	out	Energy value [Wh]	ui4
NewTemperatureIsEnabled	out	Feature is supported	EnabledEnum
NewTemperatureIsValid	out	Value is valid	ValidEnum
NewTemperatureCelsius	out	Temperature [1/10°C]	i4
NewTemperatureOffset	out	Temperature offset [1/10°C]	i4
NewSwitchIsEnabled	out	Feature is supported	EnabledEnum
NewSwitchIsValid	out	Value is valid	ValidEnum
NewSwitchState	out	Switch status	SwStateEnum
NewSwitchMode	out	Switch timer control	SwModeEnum
NewSwitchLock	out	Switch keylock	bool
NewHkrIsEnabled	out	HKR feature is supported	EnabledEnum
NewHkrIsValid	out	HKR values are valid	ValidEnum
NewHkrIsTemperature	out	Value is temperature [1/10 °C]	i4
NewHkrSetVentilStatus	out	HKR set valve status	VentilEnum
NewHkrSetTemperature	out	Value set temperature [1/10 °C]	i4
NewHkrReduceVentilStatus	out	HKR reduce valve status	VentilEnum
NewHkrReduceTemperature	out	Value reduce temperature [1/10 °C]	i4
NewHkrComfortVentilStatus	out	HKR comfort valve status	VentilEnum
NewHkrComfortTemperature	out	Value comfort temperature [1/10 °C]	i4

Table 5: Argument list of action GetSpecificDeviceInfos

Return code	Description	Related argument
402	Invalid arguments	Any input parameter
501	Action failed	Any input parameter
713	Invalid array index	AIN
820	Internal error	

Table 6: Return codes of action GetSpecificDeviceInfos

3.4 SetDeviceName

This action allows to set the name of a smart home device (physical device, group or template).

- • Required rights: App

Argument name	Direction	Meaning	Data type
NewAIN	in	Device identifier	string
NewDeviceName	in	Name of the smart home device	string

Table 7: Argument list of action SetDeviceName

Return code	Description	Related argument
402	Invalid arguments	Any input parameter
713	No such entry in array	AIN
820	Internal error	

Table 8: Return codes of action SetDeviceName

3.5 SetSwitch

This action allows to configure the state of the socket.
- • Required rights: Homeauto

Argument name	Direction	Meaning	Data type
NewAIN	in	Device identifier	string
NewSwitchState	in	Switch status	SwStateEnum

Table 9: Argument list of action SetSwitch

Return code	Description	Related argument
402	Invalid arguments	Any input parameter
820	Internal error	

Table 10: Return codes of action SetSwitch

4 Parameters

4.1 EnabledEnum

Value	Description
DISABLED	Feature not supported
ENABLED	Feature supported
UNDEFINED	Feature undefined

Table 11: Parameter type EnabledEnum

4.2 PresentEnum

Value	Description
DISCONNECTED	Device is disconnected
REGISTERED	Device is registered
CONNECTED	Device is connected
UNKNOWN	unknown

Table 12: Parameter type PresentEnum

4.3 SwModeEnum

Value	Description
AUTO	Automatic timer
MANUAL	Manual timer
UNDEFINED	Undefined timer

Table 13: Parameter type SwModeEnum

4.4 SwStateEnum

Value	Description
OFF	Switch off
ON	Switch On
TOGGLE	Toggle switch state
UNDEFINED	

Table 14: Parameter type SwStateEnum

4.5 ValidEnum

Value	Description
INVALID	Invalid value
VALID	Valid value
UNDEFINED	Undefined value

Table 15: Parameter type ValidEnum

4.6 VentilEnum

Value	Description
CLOSED	Valve closed
OPEN	Valve opened
TEMP	Valve temperature controlled

Table 16: Parameter type VentilEnum

5 Service States Table

Variable name	Allowed values (* == default)	Data type
AIN	0123456789ABCDEFabcdef :-grptmp	string
AllowedCharsAIN		string
DeviceId	0	ui2
DeviceName		string
FirmwareVersion		string
FunctionBitMask	0	ui2
HkrComfortTemperature	0	i4
HkrComfortVentilStatus		VentilEnum
HkrIsEnabled		EnabledEnum
HkrIsTemperature	0	i4
HkrIsValid		ValidEnum
HkrReduceTemperature	0	i4
HkrReduceVentilStatus		VentilEnum
HkrSetTemperature	0	i4
HkrSetVentilStatus		VentilEnum
Index	0	ui2
Manufacturer		string
MaxCharsAIN	19	ui2
MaxCharsDeviceName	79	ui2
MinCharsAIN	1	ui2
MinCharsDeviceName	1	ui2
MultimeterEnergy	0	ui4
MultimeterIsEnabled		EnabledEnum
MultimeterIsValid		ValidEnum
MultimeterPower	0	ui4
Present	0	PresentEnum
ProductName		string
SwitchIsEnabled		EnabledEnum
SwitchIsValid		ValidEnum
SwitchLock	0	boolean
SwitchMode		SwModeEnum
SwitchState		SwStateEnum
TemperatureCelsius	0	i4
TemperatureIsEnabled		EnabledEnum
TemperatureIsValid		ValidEnum
TemperatureOffset	0	i4

Table 17: Variable list