

TR-064 Support – Homeauto

Author: AVM GmbH

Date: 2018-09-25

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

For details please refer the SCPD files on the device.

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.

Content

- urn:X_AVM-DE_Homeauto-com:serviceId:X_AVM-DE_Homeauto1..... 1
- History..... 1
- Action List..... 2
 - GetInfo..... 2
 - GetGenericDeviceInfos..... 2
 - GetSpecificDeviceInfos..... 3
 - SetSwitch..... 4
- Parameters..... 5
 - EnabledEnum..... 5
 - PresentEnum..... 5
 - SwModeEnum..... 5
 - SwStateEnum..... 5
 - ValidEnum..... 6
 - VentilEnum..... 6
- Service States Table..... 7

Action List

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

GetInfo

Return a string with all allowed chars for state variable AIN.

Argument name	Direction	Meaning	Data type
NewAllowedCharsAIN	out	String with all allowed chars for state variable AIN	string

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

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
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

Argument name	Direction	Meaning	Data type
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*

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
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

Argument name	Direction	Meaning	Data type
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*

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 7: Argument list of action SetSwitch

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

Table 8: Return codes of action SetSwitch

Parameters

EnabledEnum

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

Table 9: Parameter type EnabledEnum

PresentEnum

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

Table 10: Parameter type PresentEnum

SwModeEnum

Value	Description
AUTO	Automatic timer
MANUAL	Manual timer
UNDEFINED	Undefined timer

Table 11: Parameter type SwModeEnum

SwStateEnum

Value	Description
OFF	Switch off
ON	Switch On

TOGGLE	Toggle switch state
UNDEFINED	

Table 12: Parameter type SwStateEnum

ValidEnum

Value	Description
INVALID	Invalid value
VALID	Valid value
UNDEFINED	Undefined value

Table 13: Parameter type ValidEnum

VentilEnum

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

Table 14: Parameter type VentilEnum

Service States Table

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

Table 15: Variable list