

TR-064 Support – X_AVM-DE_TAM

Supported by AVM

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1 urn:X_AVM-DE_TAM-com:serviceId:X_AVM-DE_TAM 1

For details please refer the SCPD files on the device.

2 History

Date	Version	Changes
2010-06-24	2	
2012-11-13	3	Enh: TAM-Messages: list, delete, download, mark as read
2012-11-19	4	Description of XML file of message list. XML tags begin with upper case letter
2012-11-21	5	Remove error code 713 of GetMessageList for wrong parameter
2012-11-26	6	Add list of supported URL parameters for URL of action GetMessageList. GetMessageList support for all TAMs removed.
2015-02-06	7	Added parameter Capacity to action GetInfo.
2015-09-11	8	Documentation of the parameter MessageIndex.
2016-05-18	9	Parameter added to action MarkMessage: MarkedAsRead
2016-06-08	10	Action added: GetList Parameter added: TAMList
2016-06-20	11	Edited description of action parameter MarkedAsRead and Capacity.
2016-06-29	12	added the Display element to the xml output of the GetList action
2019-03-06	13	Changed the maximum allowed value to 4 for state variable "Index"
2019-05-27	14	Explanation for failure handling with action GetMessageList
2019-06-28	15	Added parameter Mode, RingSeconds and PhoneNumbers to action GetInfo Added return codes of action GetInfo

3 Action List

This chapter contains the supported actions of the service to configure the telephone answering machine (TAM) which are listed incl. arguments.

3.1 GetInfo

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewEnable	out	Enable	
NewName	out	Name	
NewTAMRunning	out	TAMRunning	
NewStick	out	Stick	
NewStatus	out	Status	
NewCapacity	out	Capacity	Remaining minutes.
NewMode	out	Mode	
NewRingSeconds	out	RingSeconds	
NewPhoneNumbers	out	PhoneNumbers	

Table 1: Argument list of action GetInfo

Return code	Description	Related argument
402	Invalid arguments	Index
713	Invalid array index	Index
501	Action failed	Output parameter
820	Internal Error	No Memory

Table 2: Return codes of action GetInfo

3.2 SetEnable

If Enable is set to true, the TAM will be visible in WebGUI.

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

Table 3: Argument list of action SetEnable

3.3 GetMessageList

Create an URL to download the list of message for a specified TAM.

If the HTTP request for the resulting URL fails, it is recommended to make a new SOAP request for GetMessageList or call the SOAP action DeviceConfig:X_AVM-DE_CreateURLSID for a new session ID.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewURL	out	URL	

Table 4: Argument list of action GetMessageList

Return code	Description	Related argument
713	Invalid array index	Index
820	Internal error	-

Table 5: Return codes of action GetMessageList

The following URL parameters are supported.

Parameter name	Type	Remarks
max	number	maximum number of entries in message list, default 999
sid	hex-string	Session ID for authentication

Table 6: URL parameters for GetMessageList

3.4 MarkMessage

Mark a specified message as read. A specific TAM is selected by Index.

The Index field from a message in the MessageList should be taken for the MessageIndex to select a specific message. If the MarkedAsRead state variable is set to 1, the message is marked as read, when it is 0, the message is marked as unread. The default value is 1 to guarantee downward compatibility to older clients.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewMessageIndex	in	MessageIndex	
NewMarkedAsRead	in	MarkedAsRead	Optional, to stay compatible with older clients, default value is 1

Table 7: Argument list of action MarkMessage

Return code	Description	Related argument
713	Invalid array index	Index
713	Invalid array index	MessageIndex
402	Invalid Args	MarkedAsRead
820	Internal error	-

Table 8: Return codes of action MarkMessage

3.5 DeleteMessage

Delete a specified message. A specific TAM is selected by Index.

The Index field from a message in the MessageList should be taken for the MessageIndex to select a specific message.

Argument name	Direction	Related state variable	Remarks
NewIndex	in	Index	
NewMessageIndex	in	MessageIndex	

Table 9: Argument list of action DeleteMessage

Return code	Description	Related argument
713	Invalid array index	Index
713	Invalid array index	MessageIndex
820	Internal error	-

Table 10: Return codes of action DeleteMessage

3.6 GetList

Returns the global information and the specific answering machine information as xml list (details: see section 5.2 TAMList Content).

Argument name	Direction	Related state variable	Remarks
NewTAMList	out	TAMList	2016-06-02

Table 11: Argument list of action GetList

Return code	Description	Related argument
820	Internal error	-
402	Invalid Args	-

Table 12: Return codes of action GetList

4 Service States Table

Variable name	Allowed values (* == default)	Remark	Data type
Capacity			ui4
Enable			Boolean
Index	0...4	Index of the TAM	ui2
MessageIndex		Index of the message	ui2
MarkedAsRead	1* read 0 unread	sets a mailbox message as (un-)read	Boolean
Mode	play_announcement, record_message, timeprofile		String
Name		Friendly Name for TAM	String
PhoneNumbers		Empty string represents all numbers. Comma separated list represents specific phone numbers.	String
Status	Bit 0: busy Bit 1: no space left Bit 15: Display in WebUI		ui2
Stick	0 no USB memory stick 1 TAM already using USB memory stick 2 USB memory stick available but folder avm_tam missing		ui2
RingSeconds	0...255	0 immediately, 255 automatic	ui2
TAMRunning	1 running 0 not running		Boolean
URL		http(s) URL	String
TAMList		2016-06-02 Xml-List of the answering machines and their "GetInfo"s	String

Table 13: Variable list

5 XML Document Contents

5.1 Message List Content

The following shows an example XML content for a TAM message list.

```
<?xml version="1.0"?>
<Root>
  <Message>
    <Index>0</Index>
    <Tam>0</Tam>
    <Called>0123456789</Called>
    <Date>23.09.11 08:13</Date>
    <Duration>0:01</Duration>
    <Inbook>0</Inbook>
    <Name>Max Mustermann</Name>
    <New>0</New>
    <Number>555123456</Number>
    <Path>/data/tam/rec/rec.0.000</Path>
  </Message>
  ...
</Root>
```

Tag	Type	Description
Called	String	Number of called party
Date	Date-String	31.07.12 12:03
Duration	String	hh:mm (minutes rounded up)
Inbook	Boolean	0 not in a phone book, 1 stored in a phone book
Index	Integer	Message index (ID), smallest value is 0. It grows with the number of messages. Deleting a message don't change the index of other messages, so the index is not a continuous counter.
Message	Complex	Message entries of xml content.
Name	String	Name of Called number
New	Boolean	0 message is new 1 message has been marked
Number	String	Own number
Path	String	URL path to TAM file.
Root	Complex	Root tag of xml content.
Tam	Integer	TAM index.

Table 14: Message list content description

5.2 TAMList Content

The following shows an example XML content for a TAMList message.

```
<?xml version="1.0"?>
<List>
  <TAMRunning>1</TAMRunning>
  <Stick>0</Stick>
  <Status>0</Status>
  <Capacity>77</Capacity>
  <Item>
    <Index>0</Index>
    <Display>1</Display>
    <Enable>1</Enable>
    <Name>Anrufbeantworter</Name>
  </Item>
  <Item>
    <Index>1</Index>
    <Display>0</Display>
    <Enable>0</Enable>
    <Name></Name>
  </Item>
  . . .
</List>
```

Tag	Type	Description
Enable	Boolean	
Name	String	Name of answering machine
Display	boolean	Give TR-064 client info if this TAM is displayed in WebGUI 1 yes, 0 no.
Index	ui2	Index number of the answering machine
TAMRunning	Boolean	1 running 0 not running
Stick	ui2	0 no USB memory stick 1 TAM already using USB memory stick 2 USB memory stick available but folder avm_tam missing
Status	ui2	Bit 0: busy Bit 1: no space left
Capacity	ui4	Remaining minutes

Table 15: TAMList content description