

TR-064 Support – X_AVM-DE_TAM

Supported by FRITZ!

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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 |
|------------|---------|--|
| 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 |
| 2022-02-14 | 16 | Added required rights for actions |
| 2025-08-08 | 17 | Changed AVM to FRITZ! |

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

Required rights: Phone

| 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.

Required rights: Phone

| 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.
Required rights: Phone

| 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.

Required rights: Phone

| 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.

Required rights: Phone

| 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 TAMILList Content).

Required rights: Phone or App

| Argument name | Direction | Related state variable | Remarks |
|---------------|-----------|------------------------|------------|
| NewTAMILList | out | TAMILList | 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