

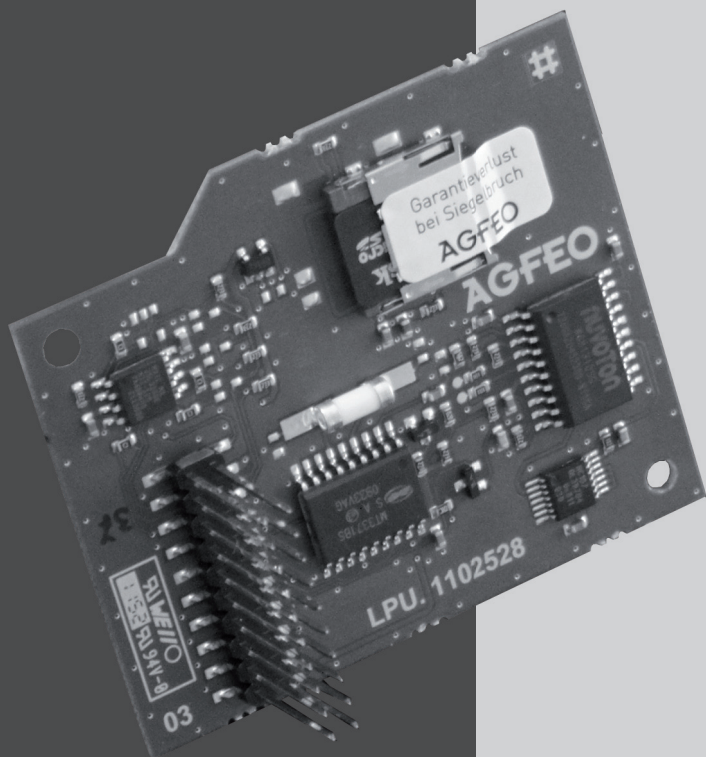
A-Module 42

User manual

Answering machine

to extend the ST 42

system telephone



AGFEO

einfach | perfekt | kommunizieren

System requirements

To operate an A-Module 42, your existing ST 42 system telephone must be running firmware 1.1 or higher. Please refer to page 8 for information on how to update your ST 42.

The ST 42 digital system telephone with the A-Module 42 is intended for connection to an internal ISDN bus or a UP0 port on your AGFEO ISDN telecommunications system.

The ST 42 with A-Module 42 can be operated on the following AGFEO ISDN telecommunications systems:

- ISDN telecommunications systems AS 151 plus, AS 181 plus, AS 181 plus EIB
- ISDN telecommunications systems AS 281 All-In-One, AS 35, AS 35 All-In-One
- ISDN telecommunications systems AS 40P (with P 400-1), AS 4000 (with P 400-1), AS 100 IT (with P 400 IT)
- ISDN telecommunications systems AS 43, AS 45, AS 200 IT

with firmware version 8.5b or higher.

You can check the current firmware versions on the Internet at www.agfeo.de.

You can find out about firmware upgrades from your qualified AGFEO dealer. AGFEO GmbH & Co. KG accepts no liability for damage caused by improper use.

The answering machine module carries a warranty seal.

Please bear in mind that the warranty will cease if this seal is broken.

A-Module 42

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A-Module 42

Description of answering machine functions

The A-Module 42 upgrades your digital ST 42 system telephone by adding an individual, personalised answering machine (AM) with excellent recording and playback quality. The A-Module 42 is inserted into the module bay on the underside of the ST 42.

The A-Module 42 can store up to 6 announcements, with three setting options for each message:

Basic Answering Machine

In this mode, the A-Module responds like a normal, analogue answering machine. In simple answering machine mode, every call is accepted and signalled on your own telephone. The simple answering machine can be configured as a greeting (with recording) or as an information announcement (without recording).

System Answering machine

Unlike the Basic Answering Machine, you can decide which calls the system answering machine will accept (by sets of telephone numbers, by MSN, by internal telephone number), where the recorded messages are signalled, and therefore the telephones from which the answering machine can be operated. The system answering machine can be configured as a greeting (with recording) or as an information announcement (without recording).

Voice box

The "Voice box" function enables you to record a message for another, specific user and save it in a voice box. Other system telephones with a "Listen to voice box" function key can access this voice box at any time. A "Call Screening" can be set up in the voice box function so that the loudspeaker on the other system telephone switches on while a message is being recorded in the voice box (speaking with simultaneous recording). The "Listen to voice box" function key enables you to listen to the voice message directly and an LED signals whether other users have already listened to the message.

General:

- If several announcements are configured for the same situation, the message with the lowest serial number is played.
- Announcements can be activated/deactivated individually or collectively using the menu, an answering machine button or the timer Multifunction button.
- If no relevant announcement has been activated and no telephone code has been programmed for an incoming call, the answering machine does not accept that call. If a telephone code has been programmed but no announcement has been configured, incoming external calls are accepted after 17 rings and internal calls after 34 rings.
- Internal subscribers that you have entered under "Info to systels" can listen to and delete all messages and activate/deactivate announcements.
- The announcements can be assigned directly to incoming call filters. The incoming call filters operate independently of announcement activation.

Naturally, your answering machine can be accessed remotely from any external or internal telephone with touch-tone (DTMF) dialling.

Default settings: Announcement 1 is configured as the standard message with recording (greeting) and, after activation, accepts all internal and external calls after the fifth ring; announcements 2 to 6 are not assigned.

A-Module 42

Technical information

- Digital answering machine, additional power pack not required, power supply from the telecommunications system via the ST 42 system telephone port.
- Max. 60 minutes recording time
- Maximum message duration: 10 minutes
- Maximum of 99 messages can be recorded
- Maximum duration of a greeting or information message: 10 minutes
- All recordings and settings on the answering machine are saved, even when the ST 42 answering machine is disconnected from the telecommunications system or in the event of loss of power to the telecommunications system
- Answering machine can be switched on/off by a function key, telecommunications system timer and remote access
- Display: Number of messages recorded, telephone number or name of caller, time and date of recording, duration of recording, telephone number dialled or internal telephone number. Time and date are taken from the telecommunications system.

About this manual

This manual describes installation of the A-Module 42 in the ST 42 system telephone and operation of the answering machine with system firmware from 8.5b. You will find detailed explanations of the features of your system telephone and your telecommunications system in the user manual for the system telephone and in the user manual for your telecommunications system.

A-Module 42

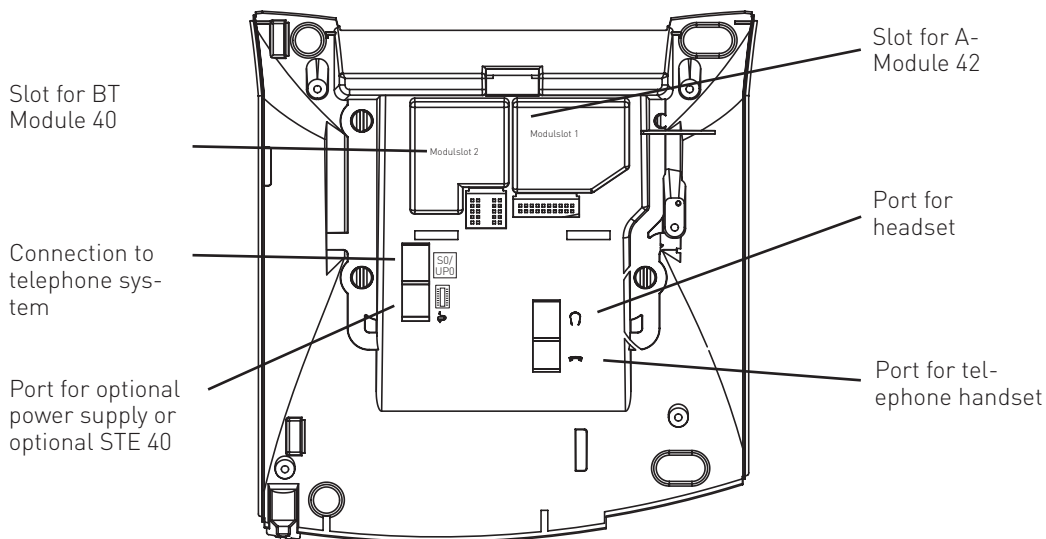
Safety information

- Do not connect or unplug the power supply cable for the system telephone during a storm.
- Lay the power supply cable for the system telephone so nobody can step on it or trip over it.
- Make sure that no liquids can enter the interior of the system telephone. This can result in short circuit.
- Before opening the module bay on the system telephone, remove the Western plug on the power supply cable from the socket.

To remove the power supply cable, press the latching hook on the Western plug in the direction of the connector body (using a small screwdriver if necessary) and at the same time unplug the cable connector.

Installing the A-Module 42 Module bay on system telephone

To open the module bay underneath the system telephone, squeeze the catch on the cover and open the cover. Remove the cover.



A-Module 42

Before installation

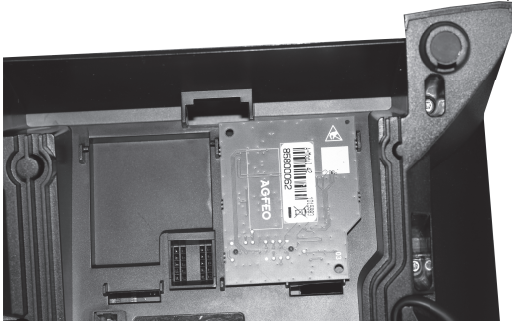
Before you start to install the A-Module, please ensure that your ST 42 is using the latest firmware. If necessary, update the firmware before you start (see page 8).

Removing the A-Module 42 from the packaging – safety precautions

Before removing the A-Module 42 from the packaging and installing it in the system telephone, briefly touch the conductive part of a water pipe or central heating radiator. This dissipates any possible electrostatic charge and protects the electrostatically sensitive components of the A-Module and the system telephone.

Installing the A-Module

- Insert the module into the module bay with the edge connector facing downwards, as shown in the picture.
- Carefully lower the module until the plug connectors engage.
- Press the module down until it comes to a stop.



Inserting the A-Module

Closing the module bay

- Place the cover with the two retaining lugs in the retaining slot.
- Press the cover down until the catch clicks audibly into place.

Connecting a digital system telephone

- Plug the Western plug into a socket that is connected to the AGFEO telecommunications system (S0 or Up0).
- Your system telephone with answering machine re-registers with the telecommunications system.

A-Module 42

Software update on the system telephone

If the system telephone has software version 1.1 or higher, a software update is not required. If you need to perform a software update for your digital system telephone, proceed as follows:



The handset is on-hook. The system telephone is idle.



Press the key combination ***0□** **simultaneously**. The system telephone is now in service mode. The software version is displayed.



Select **Software-Update** by pressing **1**.



Enter the telephone number for the update server: 052144709950
If necessary, first enter a "0" to get an outside line: 0052144709950



Confirm your input by pressing the middle softkey. The update server is dialled and the update process begins.

The update is loaded after approximately 3 minutes. Your system telephone re-registers with the telecommunications system. The current software status is shown on the display at startup. The update process is now complete.

A-Module 42

Configuration in TK-Suite

Configuring your A-Module 42 in TK-Suite is easy.

The configuration shown in the example is as follows:

- Announcement 1 is configured as a simple answering machine which accepts the call directly, plays the standard announcement, then switches to recording mode.
- Announcement 2 is configured as a voice box.
- Announcement 3 is configured as a system answering machine which responds to all internal and external calls. The answering machine accepts the call after 3 rings, plays an announcement, then switches to recording mode. The user can monitor the call on the system telephone. When recording is complete, the device calls an external number. The system answering machine signals incoming calls on system telephone ST 22 and can be operated from other system telephones.

The screenshot shows the TK-Suite configuration interface for the Telephone Answering Machine (TAM) settings. On the left is a navigation menu with categories like PBX, Port Assignment, Extensions, Calls Incoming, Calls Outgoing, Phone Settings, System Call Log Settings, Security Settings, Special Functions, Maintenance, and PBX Phone Book. The 'System Phone Answering Machine' option is selected. The main area displays settings for three announcements. Announcement 1 is a 'Standard TAM' with 'Basic Answering Machine' selected. Announcement 2 is a 'Notice TAM' with 'Voice Box' selected. Announcement 3 is a 'System TAM' with 'System Answering Machine' selected and 'Enabled' checked. It includes settings for 'Number of Rings' (3), 'Answer Incoming Line' (Any), 'Answer Extension Call' ([All]), 'After Answering' (Play Announcement & Record), 'After Recording' (Call Phone Number), and 'Notify Selected System Phones of Call' (ST22 (31)).

Expand All Close All

Info about: System Phone Answering Machine

Settings for Telephone Answering Machine

ST42 (32)

Announcement 1

Name Standard TAM Enabled Basic Answering Machine System Answering Machine Voice Box

Number of Rings 0 1 2 3 4 5 6 7 8 9

After Answering: Play Announcement & Record Play Default Text

After Recording: No Action

Toll Saver Enabled

Call Screening Enabled

Announcement 2

Name Notice TAM Basic Answering Machine System Answering Machine Voice Box

Call Screening Enabled

Announcement 3

Name System TAM Enabled Basic Answering Machine System Answering Machine Voice Box

Number of Rings 0 1 2 3 4 5 6 7 8 9

Answer Incoming Line Any Phone Number Group

Answer Extension Call [All]

After Answering: Play Announcement & Record Play Custom Message

After Recording: Call Phone Number GSM Phone 01123456789 Business/Mobile

Notify Selected System Phones of Call n°: ST22 (31) Only notify this Extension

Toll Saver Enabled


Operation by other System Phones

Call Screening Enabled

Create New TAM

A-Module 42


Configuration and operation from the system telephone

You can configure and operate your answering machine from your system telephone. In the description of this process, the softkeys under the display on your system telephone are represented by the following symbol: 

The key to be pressed is always shown as a dark colour.

The standby display on the system telephone shows the status of the A-Module:

 This symbol appears on the status bar when the TAM is activated.

 This symbol appears on the status bar when the answering machine is in use.

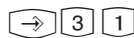
Programming the function keys for the answering machine

You can program the following function keys on your system telephone for fast, simple operation of your answering machine:

TAM activation:	To enable/disable one or all announcements on an answering machine. This only functions from another system telephone if notification for this telephone has been enabled in advance (info to systels).
TAM info:	Accesses the answering machine.
Voice Box:	To record a message in a voice box.
Listen To Voice Box:	To listen to the voice message directly. An LED signals whether other users have already listened to the message.

To program these function keys, it is best to select a function key at the first key level. The level 1 function keys are assigned to LEDs that indicate the status of the function.

Setting up function keys



Start programming Press the function key whose function you want to change



Enter the initial letter of the function name, e.g. "T" for "TAM Activation" or use the arrow keys to scroll backwards or forwards until the required function is displayed.



Press the middle softkey to confirm your selection.



End programming

A-Module 42

Opening the configuration menu



Start program-
ming



Use the arrow keys to select an announcement
and press the middle softkey to confirm.

Display Symbols

The symbols displayed in the announcement configuration menu are as follows, depending on the settings.



Announcement Enabled



Announcement Disabled



Allocated to Line



Allocated to Extension



Allocated to All Calls



Allocated to All Calls



Call Screening On



Call Screening Off



Operation by other System Phones On



Operation by other System Phones Off



Default Announcement with Recording



Default Announcement No Recording



Own Announcement with Recording



Own Announcement No Recording



Number of Rings Till Answer



Toll Saver Enabled



„New Message“ Notification by Phone



„New Message“ Notification Off



Service for other System Phones

A-Module 42

Select announcement mode

From the configuration menu, you can select whether an announcement is to be used as a simple answering machine, a system answering machine or a voice box.



Open the configuration menu as described on page 11 and press "TAM Profile".



Use the arrow keys to select the mode required and press the middle softkey to confirm.

Activating/deactivating announcements via the configuration menu

The steps below enable you to activate one or all announcements on your answering machine. The announcement status is shown on the display as follows:



Announcement enabled



Announcement disabled



Open the configuration menu as described on page 11. Press "Change". Use arrow buttons to select required symbol for which the change is required.

Activating/deactivating announcements with the function key



Press the "TAM Activation" function key that has already been set up. Each press on the function key alternately activates and deactivates the announcements that have been defined.

Note

Please note that you can only activate announcements after they have been uniquely assigned (see page 13). When you activate all announcements, all the announcements which have been uniquely assigned are activated. Unassigned messages are not activated.

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Configuring announcement allocation

The assignment is shown as follows, depending on the configuration:



Allocated to Line



Allocated to All Calls



Allocated to Extension



Not Allocated



Open the configuration menu as described on page 11. Press "Change". Use arrow buttons to select required symbol for which the change is required.

Select if announcement should respond to external calls, internal calls (extension calls) or all calls.

Program Greeting or Announcement only

The symbol shown on the display changes depending on the configuration (greeting/information message):



Default Announcement with Recording



Own Announcement with Recording



Default Announcement No Recording



Own Announcement No Recording



Open the configuration menu as described on page 11.

Press "Change". Use arrow buttons to select required symbol for which the change is required.

Select whether you want to use a standard announcement, record a new message or switch between information message (without recording) or greeting (with recording).

Recording a message:



When you select "Record/Playback", the current announcement is played. Press "Record" to record a new message. Recording starts after the beep.

Note: You get the best recording quality if you record the text via the handset.



Press "Save" to save the message. The message recorded is automatically used when the announcement is activated. Press "Back" to return to the higher-level menu.

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Number of rings and economy function

For each announcement, you can decide how many times the telephone should ring before the answering machine responds. You can choose whether it responds immediately or after a set number of rings.

Default settings: 5 rings (the answering machine responds after approximately 25 seconds)

Note: The number of rings relates to a standard call (outside call after 5 seconds). For other ring tones or internal calls, the time for a standard call is used. 5 rings corresponds to approximately 25 seconds. The number of rings specified does not apply when the economy function is enabled.

Toll Saver function:

The Toll Saver enables you to save on call charges when accessing messages on your TAM remotely. If there are new messages on your TAM, the TAM responds after just 2 rings when you call it. If no new messages have been recorded, the TAM starts after 5 rings. You have time to hang up before the answering machine responds, so you save on the call charge.

Default settings: Economy function off.

Setting the number of rings/ Set Toll Saver

The number of rings is shown on the display as follows:



Number of Rings till answer



Toll Saver on



or



Open the configuration menu as described on page 11. Press "Change". Use arrow buttons to select required symbol for which the change is required.

Enter the number of rings by pressing the relevant button, or press the middle softkey to enable or disable economy access.

Call Screening

This feature will enable you to listen to the caller leaving a message for your on your answering machine. As you listen to the message being left you can decide if you want to answer this call. You may answer the call by picking up the handset.

Default settings: Call Screening off

Enable/disable Call Screening

The symbols below show whether call screening is enabled or disabled for the selected announcement.



Call Screening On



Call Screening Off



Open the configuration menu as described on page 11. Press "Change". Use arrow buttons to select required symbol for which the change is required.

To enable or disable monitoring, press the middle softkey.

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Enabling/disabling operation by other system telephones¹⁾

The symbols below show whether the announcement selected can be activated or deactivated from other system telephones:



Operation by other System Phones On



Operation by other System Phones Off



Open the configuration menu as described on page 11. Press "Change". Use arrow buttons to select required symbol for which the change is required.



Press the middle softkey to enable or disable the function.

Enable/disable notification when a new message arrives¹⁾

The following symbols on the display indicate whether notification to another telephone is set and the type of notification used:



„New Message“ Notification by Phone



„New Message“ Notification Off



Open the configuration menu as described on page 11. Use arrow buttons to select required symbol for which the change is required. Press "Change".



Select the type of notification using the arrow keys and press the middle softkey to confirm.



Press "Change" again, then press [2] and enter the target telephone number required.



Press the middle softkey to confirm the telephone number.

Enable/disable signalling of calls received on other telephones¹⁾



Open the configuration menu as described on page 11. Use arrow buttons to select required symbol for which the change is required. Press "Change".



Press [1] and enter the internal number of the system telephone on which newly received calls will be signalled by a flashing Message button.



Press "Change" again, then press [2].



Press the middle softkey to select whether a new message should be signalled by the "Mail" button on the remote system telephone only, or also on the telephone with the A-Module.

¹⁾ These functions are only available in "System answering machine" mode.

A-Module 42

Answering machine – maintenance

Display the “TAM-Maintenance” menu:



“1”= TAM status (number of messages/free minutes)

“2”= Default settings (restore default settings)

“3”= Delete messages

Displaying answering machine status

Select the “Status” menu:



This menu provides the following information:

- Version xx (the software version for the telephone)
- xx messages saved (number of messages recorded)
- approx.xx minutes free (recording time still available)

Restoring default settings



Select the “Default settings” menu.



Press the middle softkey to restore all the settings on the answering machine to the defaults (see “Default settings” on page 22). This also deletes all the messages and any greetings you have recorded.

Deleting all messages



Select the “Delete messages” menu.



Press the middle softkey to delete all the messages on the answering machine, regardless of whether the answering machine has been assigned to an internal number. Any greetings you have recorded are retained.

A-Module 42

Answering machine programming tree

Open the "answering machine" menu by pressing:   

1 Select announce- ment	Select an announcement by using the arrow keys	For announcements that are in use, press the "Change" key then use the arrow keys to select the option:
.....	.....	-TAM Activation
.....	.....	-Allocate Announcement
.....	.....	-Record Greeting
.....	.....	-Number of rings /Toll Saver
.....	.....	-Call Screening
.....	.....	-Operation from other System Phones ¹⁾
.....	.....	-Notification to External ¹⁾
.....	.....	-Service for other System Phones ¹⁾
		Announcements not in use press „Apply“ and select:
.....	.....	1 – Not in Use
.....	.....	2 – TAM Basic
.....	.....	3 – System Answerphone
.....	.....	4 – Voice Box
4 TAM Maintenance	1 TAM Status	
.....	2 Default Setting	
.....	3 Delete Message	

¹⁾ These functions are only available in "System answering machine" mode.

A-Module 42

Listening to messages on your system telephone

The "Mail" button 

- flashes if a new incoming call has been saved in the call list or a new message has been recorded
- lights up continuously if the call list contains incoming calls that have already been selected or messages exist that have already been listened to.

You can listen to a message even when the answering machine is switched off.

Press the "Mail" button.

If there are messages on the answering machine and entries in the call list, you can choose which one to deal with first.

Otherwise the call list or the message is displayed immediately on the answering machine.

Functions during playback on the ST 42 system telephone

Listen to next message



Listen to previous message



Delete message displayed



To delete all the messages on the answering machine, hold down the left softkey



Finish playback/display



You hear a beep at the end of each message



The external or internal telephone number shown on the display is dialled



A-Module 42

Remote access

You can access your answering machine or operate it remotely from any external telephone (e.g. hotel, phone booth, mobile) and from any internal telephone on your telecommunications system:

- Listen to and delete messages
- Switch the answering machine on/off
- Edit a greeting/information message

Remote access only works

- if you have programmed a telephone code on the ST42 with A-Module 42,
- if you are accessing the answering machine remotely from a telephone with touch-tone (DTMF) dialling. Otherwise you need to use a tone transmitter (handheld transmitter).

Remote access when answering machine is switched on



Call your answering machine



While the answering machine is playing the greeting or information message: press the star key. You are asked to enter the telephone code.



Enter the telephone code. If the telephone code is wrong, you will hear a message. Press the star key again and re-enter the telephone code.



Enter the function code for the function required (see "Function codes for remote access" on page 20).



To finish remote access: Hang up

Remote access when answering machine is switched off



If you have forgotten to switch on your answering machine, call your answering machine. Let your telephone ring for approx. 2 minutes. You are then asked to enter the telephone code.



After entering the telephone code correctly, follow the procedure for when the answering machine is switched on.

A-Module 42

Function codes for remote access

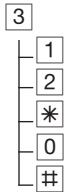
Once the connection to the answering machine is established, you can select a menu by entering a function code. You will hear a list of the codes and functions in the menu selected. Press **#** to repeat the message. Enter the code for the function required.

Main menu	Messages menu	1
	Activation menu].....	2
	Record announcements menu.....	3
	Repeat main menu	#
Messages menu	.....	1
	Listen to all messages .....	| 1
	Listen to next message .....	| 2
	Listen to previous message .....	| 3
	Delete message.....	| 4
	Delete all messages.....	| 5
	Back to main menu .....	| 0
	Repeat menu .....	| #
Activation menu	.....	2
	Enable all announcements .....	| 1
	Disable all announcements .....	| 2
	Enable a specific announcement.....	| 3
	Disable a specific announcement.....	| 4
	Back to main menu .....	| 0
	Repeat menu .....	| #

A-Module 42

Function codes for remote access

Announcements menu	
Listen to announcement	
Record announcement	
End recording	
Back to main menu	
Repeat menu	



Example: Remote access

You have entered your telephone code and are in the main menu for remote access. You want to record an announcement.

Select:

3 - Announcements menu

2 - Record announcement

Select an announcement (1 to 6).

The announcement plays. You can record your announcement after the tone.

Press ***** to finish recording.

Note:

If the answering machine has no more recording capacity, it gives the message "Answering machine full".

You can press ***** to start remote access during the "Answering machine full" message.

After entering the telephone code, you can select the answering machine functions.

You can delete some or all of the messages to enable the answering machine to record.

A-Module 42

Default settings

Function	Setting
Announcement	Standard announcement with recording option
Activation	Off
Play standard announcement	On
Number of rings	5
Toll Saver	Off
Call Screening	Off

Declaration of conformity

The declaration of conformity for the A-Module 42 appears on our home page: www.agfeo.de.

A-Module 42

Copyright

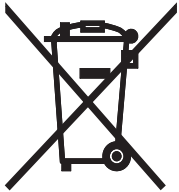
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Technical changes

AGFEO GmbH & Co. KG reserves the right to undertake changes to the diagrams and information in this documentation which describe the technical process without prior warning. This documentation was drawn up with great care and is regularly revised. However, despite all checks it cannot be guaranteed that technical inaccuracies and typographic errors have been excluded. Any errors that we are aware of are rectified in new editions. We are always grateful for information regarding errors in this documentation.



The crossed out wheeled bin on the product means that this belongs to the group of Electro- and electronic apparatus.

In this context you are directed by the European regulation to dispose of used apparatus

- at the point of buying an item of equal proportion / value
- at the local available collection point for disposal

With this you will participate in the reuse of material and valorisation of disused electric- and electronic apparatus, which otherwise could be a health hazard and be negative to the environment.



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