

AGFEO

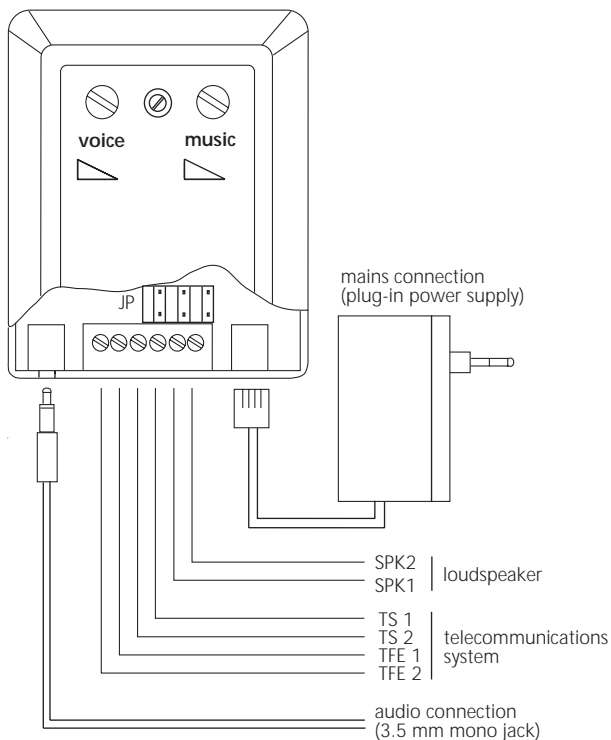
kommunizieren mit System

AM 20 – Audio Module

- Installation



Connection diagram



Scope of delivery

- 1 Audio module AM 20
- 1 plug-in power supply
- 1 installation instructions

Function of the AM 20 audio module

With the AM 20 audio module you can connect a loudspeaker or a loudspeaker system to your telecommunications system, for example in a waiting room or a workshop to make announcements over the telephone or to play music from an external music source.

The volume of the announcement or music can be set separately with the "Voice" and "Music" control knobs. The music volume is automatically reduced to background level during the announcement. After the announcement the original volume of the music is reset.

Opening the housing

Loosen the screw and remove the cover.

Connecting the AM 20

You can connect the AM 20 to any telecommunications system with an interface for a door handsfree device (TFE) according to FTZ 123 D12. The audio module is connected in place of the door handsfree device by 4 wires TFE 1, TFE 2, TS 1 and TS 2 with the corresponding terminals of the telecommunications system. The TS terminal of the telecommunications system must be voltage-free.

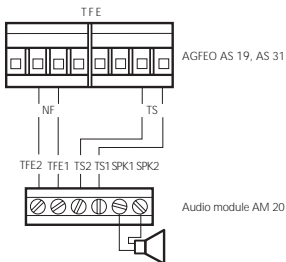
You can connect two AM 20's to the AS 31 ST and AS 32 AGFEO telecommunications systems; one AM 20 to the TFE

interface and a second AM 20 to an analog port. It is also possible to operate an audio module on an analog port and a TFE.

In the AS 190 (plus) and AS 191 (plus) AGFEO telecommunications systems it is possible to connect an AM 20 to the TFE interface or an analog port. The TS relay of the TFE interface is required in both types of connection for voice/music switching. Simultaneous operation of an AM 20 and a door handsfree device is therefore impossible.

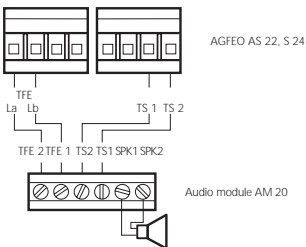
Connecting the AM 20 to AGFEO telecommunications systems

AS 19, AS 31



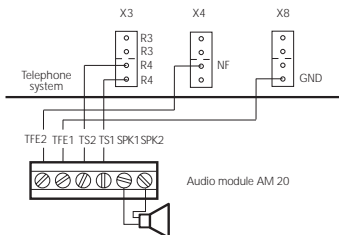
Announcement:
Select **3 3**

AS 22, S 24



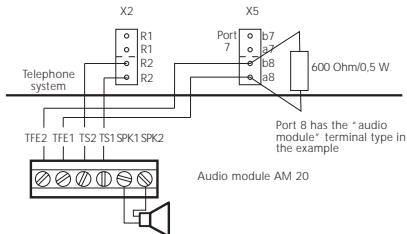
Announcement:
Press "Announcement" key

AS 31 ST, AS 32 – TFE interface



Announcement:
Select *** 1 1** or
press "Door" key

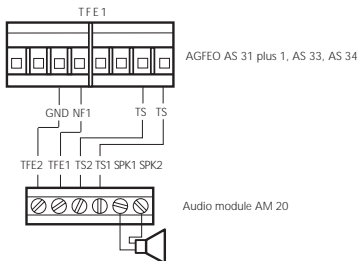
AS 31 ST, AS 32 – analog port (e.g. Port 8)



Program the analog port to audio module.

Announcement:
Select
or press "An-
nouncement"
key

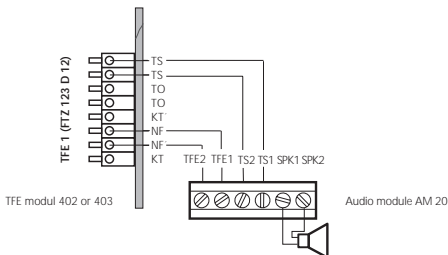
AS 31 plus 1, AS 33, AS 34



Program TFE 1 to audio module

Announcement:
Select or
press the "An-
nouncement" key

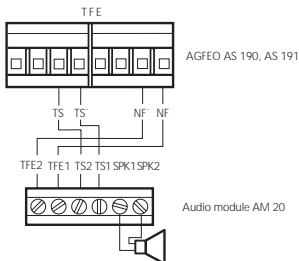
AS 40 – TFE module 402 or 403



Program
TFE module 402: TFE 1
TFE module 403: TFE 2
To audio module
Announcement:
Select or press
the "Announcement"
key

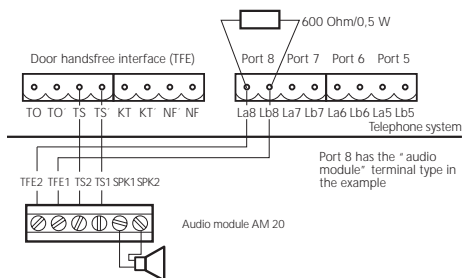
Otherwise: Select
 or press
the "Door" key

AS 190 (plus) AS 191 (plus) – TFE interface



Announcement:
Select

AS 190 (plus), AS 191 (plus) – analog port (e.g. Port 8) –

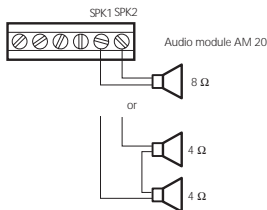


Program the
analog port to
audio module

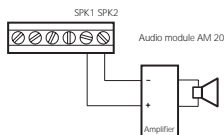
Announcement:
Select

Connecting the loudspeaker / loudspeaker system

Connect the loudspeaker leads
to the loudspeaker terminals SPK
of the AM 20.

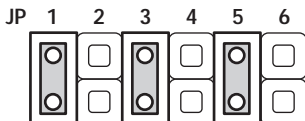


If you connect a loudspeaker system (external amplifier and loudspeaker) to the AM 20 instead of a passive loudspeaker, replug the jumper (JP).

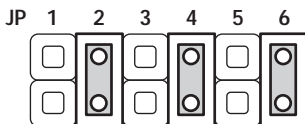


Jumper assignment

Coding for connecting a passive loudspeaker:
JP1, JP3 and JP5 set.
As-delivered state



Coding for connecting a loudspeaker system (external amplifier):
JP2, JP4 and JP6 set.



Connecting the plug-in power supply unit

Plug the flat connector of the plug-in power supply unit into

the audio module.

Closing the housing

Replace the cover and tighten the screw.

Connecting the external music source

The audio connection of the AM 20 for playing music is connected by a 3.5 mm mono jack

to the headphones output, e.g. of a CD player, cassette player or a hi-fi system.

In some music appliances you have to terminate the output with a resistor to match the output impedance.

N.B.: The music you play must be free from third party copyrights (GEMA-free).

Commissioning

Switch on the audio module by plugging the plug-in power supply unit into a mains socket.

Make an announcement and set the volume of the announcement with the "Voice" control knob.

Set the volume of the music with the "Music" control knob.

Technical data

Dimensions	approx. 66 x 80 x 30 (W x H x D) mm
Power supply	9 V/250 mA
Output resistance	8
Output power	max. 1 W on 8 ohms
Input resistance TFE	1 kohm
Input resistance audio	47 kohms

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Subject to modification and errors

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