

PSTN modem - model DI-336S

Description

V34 PSTN modem for mounting in a FOXnet panel, supports one of the following protocols:

- connected to SCC1: PPP
- connected to SCC2: VSK-S or XSIA/PSTN

The XSIA/PSTN protocol requires a FOXnet panel version 3.04.

The XSIA/PSTN protocol allow for remote listen-in, however with some specific restrictions (see further).



Technical Specifications

Power supply:

5V; 170mA

Operating temperature range:

0 - 40°C

Connections:

SUB-D female 25 pins (RS-232)

RJ-11 (PSTN)

screw terminals for audio in (MIC) and audio out (SPK)

Audio:

max. input signal (MIC): 0dB (775 mV_{rms})

output impedance (SPK): 10Ω

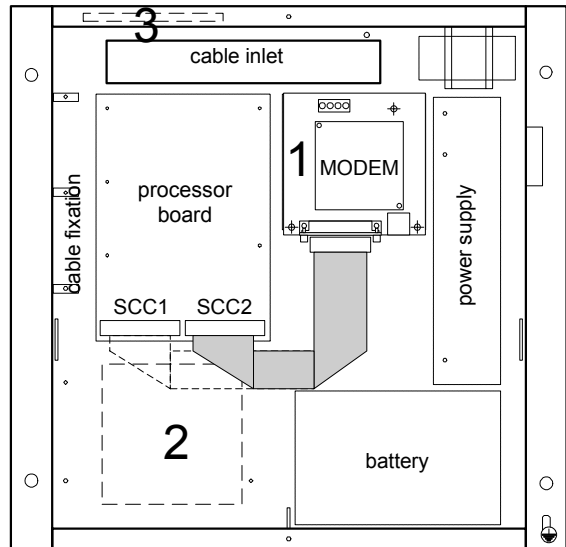
Dimensions and weight:

90x90mm (3.54x3.54inch) - 70gr

Mounting instructions

The modem can be fitted in the FOXnet housing applying the included spacers, on one of the three following locations:

1. At the right side of the processor board.
2. Below the processor board.
3. On the left of the upper flap.



The modem has to be connected to one of the serial ports of the main processor:

- port SCC1: applies the PPP protocol (for a dial-up network)
- port SCC2: applies the VSK-S or XSIA/PSTN protocol.

The modem is also connected to the telephone network using the included telephone cable.

The modem can be configured with the Connection Wizard, available in the FCU configuration software (≥ version 3.04): Launch FCU; click **Tools > Communication Wizard**

Order numbers

49803920: complete modem set Delta DI-336S, including:: plug-in modem mounted on base card, 25-pins serial cable, spacers, telephone cord and plug.

Part list:

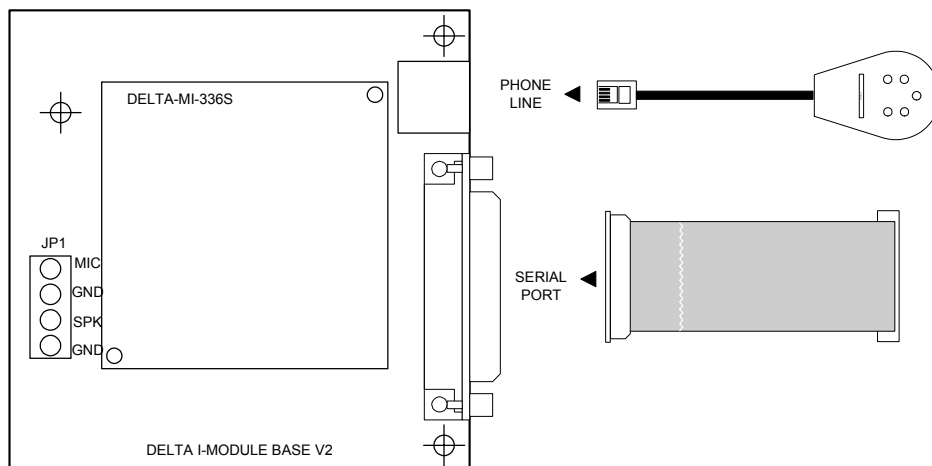
20412260: plug-in modem model MI-336S + telephone cord and plug

20412270: base (I-module base)

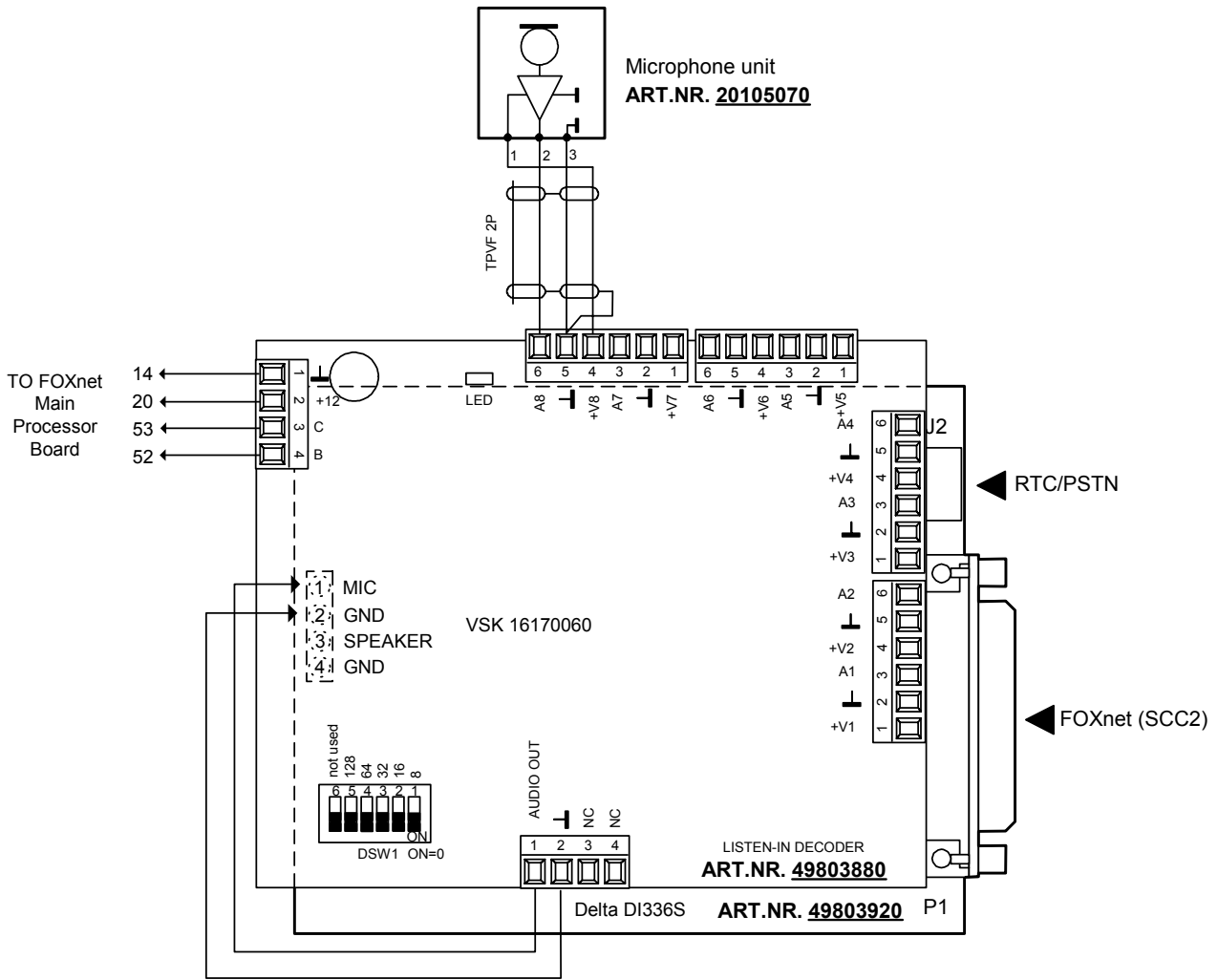
49830030: listen-in module (new model, including a speaker output)

49803880: listen-in module (previous model, still shipped until end of stock, without speaker output)

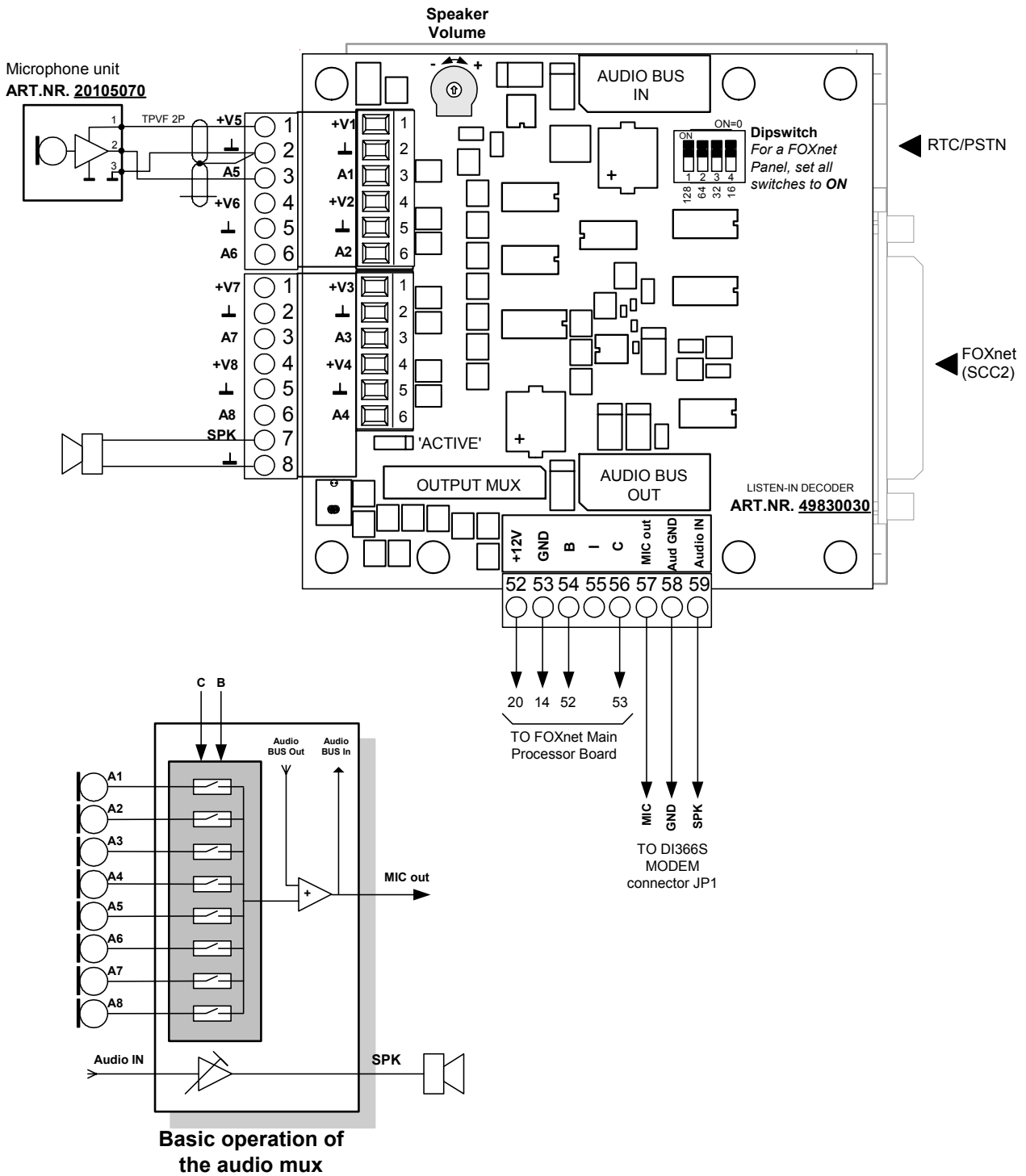
Wiring diagram



Wiring diagram for the listen-in module 49803880



Wiring diagram for the listen-in module 49830030



Overview of available protocols

Protocols	SCC1		SCC2			
	PPP/TCPIP		VSK-S		XSIA/PSTN	
	Dial-out	Dial-in	Dial-out	Dial-in	Dial-out	Dial-in
Protocols	PPP/TCPIP	PPP/TCPIP	VSK-S	VSK-S	XSIA/PSTN	-
Alarm Tx	FOXnet-S	-	VSK-S	-	XSIA/PSTN	-
Remote control	-	TELNET	-	VSK-S	-	VSK-S
Up-/download	-	FTP	-	-	-	-
Listen-in	-	-	-	-	DTMF (*) only with compatible receiver (**)	DTMF (*)

- (*) You can call the modem from any phone set with numeric keys in order to select a microphone. When the connection is made, you will hear 3 short beeps (2500Hz) inviting you to enter a valid password:

keys	operation
* 666777	Enter a valid password (in this example, the password is 666777). A password is composed of 6 decimal digits. A valid password has to be entered within the first 10 seconds, otherwise the connection will be broken.

When the entered password is valid, you will hear one beep (1000Hz), otherwise two beeps will be heard. After having entered a valid password, the listen-in set can be controlled by using the keys on the phone set:

keys	operation
* 1	Selects a microphone (from 1 to 8) or switches on the loudspeaker (0)
* #	Extends the remaining connection time.
**	Breaks the connection immediately (this is done automatically on expiration of the connection time)
* 90	Performs a line test (the modem hooks up and transmits system message 61 to the central monitoring station using the first available connection).

- (**) The SIA receiver has to support this feature (such as the Radionics D6600). After the reception of alarms, the receiver will automatically transfer the call towards the phone of your selection, from which you can control the listen-in set with the following keystrokes:

keys	operation
* 1	Selects a microphone (from 1 to 8) or switches on the loudspeaker (0)
* #	Extends the remaining connection time.
**	Breaks the connection immediately (this is done automatically on expiration of the connection time)
* 90	Performs a line test (the modem hooks up and transmits system message 61 to the central monitoring station using the first available connection).