

ABI-ET2003

Modem, Fax and Telephone Distribution Module with integrated ADSL filter

Quick Start Guide

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2 Introduction

The ABI-ET2003 is a passive telephone distribution module suitable for standard (PSTN) with or without ADSL.

This unit provides easy connection for Telephone, FAX and ADSL modem/router. The internal ADSL filter eliminates the need for an external ADSL filter.

The ABI-ET2003 does not have a privacy protection device incorporated.

3 Hardware Introduction

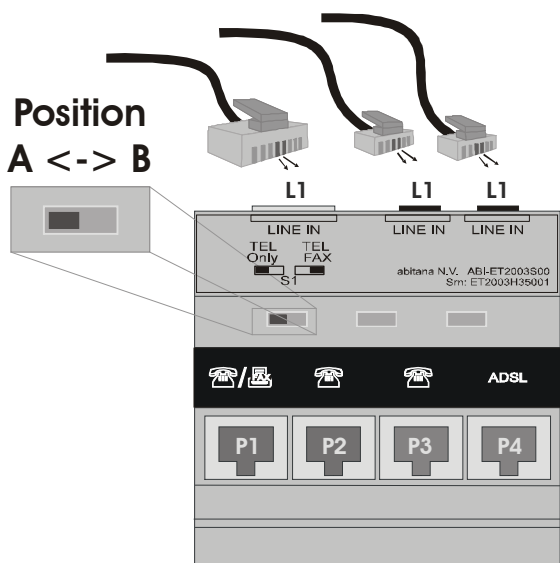


Figure 1

The DIN-Rail mountable ABI-ET2003 is equipped with 4 RJ45 jacks on the front of the unit. (P1 ~ P4)

A switch on the front of the unit is used to configure the unit according to the needs of your installation. Different configuration scenarios are explained later in this manual.

On the top of the unit you'll find the connections for the 'incoming' phone line.

The switch and the incoming phone line connections are only accessible when the front of the 'Comm Center Cabinet' is removed.

The unit will probably be configured during installation. Make sure to take note of the configuration (Connections to the rear ports and switch setting). At the end of this manual, you will find a table where you can write down the configuration.

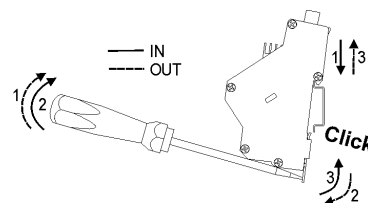
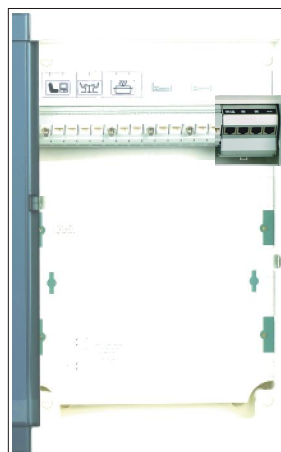
4 Installation and power

No power needed.

Load ratio for this module = 0.

Maximum allowed load ratio (sum of the load ratios for all modules) for power supply ABI-PS1001S00 = 4.

Click the module on the DIN-Rail as shown in the pictures below:



5 Installation scenarios

5.1 One analog (PSTN) phone line without ADSL

When you have one incoming telephone line (standard PSTN), you can distribute the signal to 4 locations in parallel.

When a call arrives, all phones will ring at the same time. You can pick up any of the four phones to answer the call.

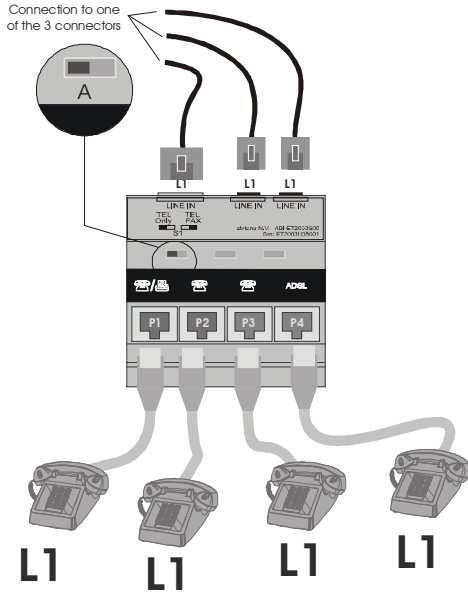
If during a call a second phone is unhooked, this phone will join the ongoing conversation.

No internal calls between the locations are possible (NO PABX function).

Switch Nr.	Position
S1	A

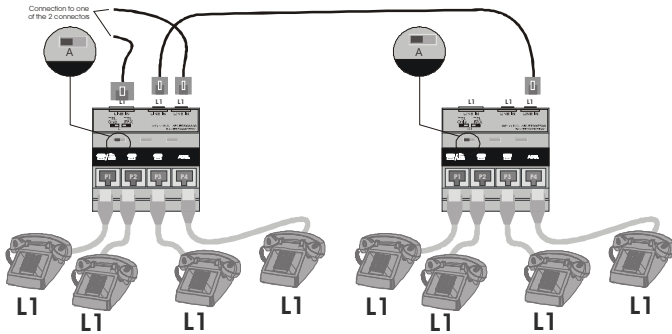
For this configuration, the switch must be in the positions indicated in the preceding table.

L1 PUBLIC analog (PSTN) line without ADSL



In this configuration, it is possible to extend the number of phones connected to the phone line by connecting one of the free RJ45 or RJ11 connectors of the first ABI-ET2003 to one of the 3 connectors of the second one.

L1 PUBLIC analog (PSTN) line WITHOUT ADSL (extension to 8 telephone units)



5.2 One analog (PSTN) phone line with ADSL

When you have one incoming telephone line (standard PSTN), you can distribute the signal to 3 locations in parallel. The ADSL modem is connected to the 4th port (P4).

When a call arrives, all phones will ring at the same time. You can pick up any of the 3 phones to answer the call.

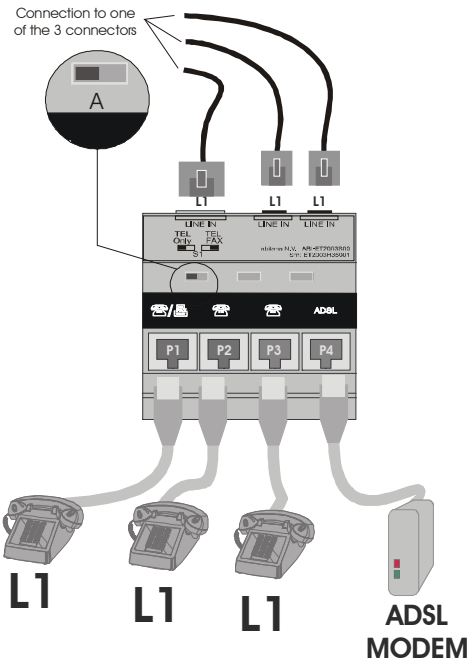
If during a call a second phone is unhooked, this phone will join the ongoing conversation.

No internal calls between the locations are possible (NO PABX function).

Switch Nr.	Position
S1	A

For this configuration, the switch must be in the positions indicated in the preceding table.

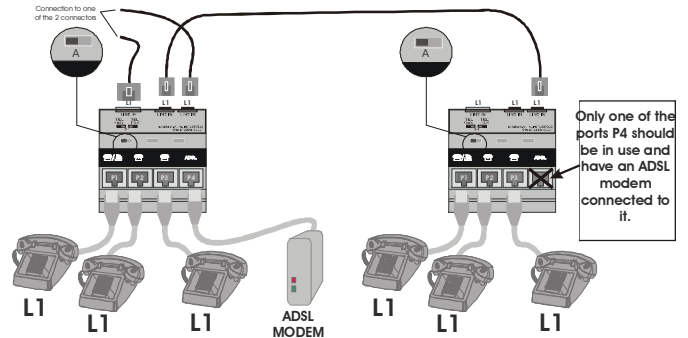
L1 PUBLIC analog (PSTN) line with ADSL



In this configuration, it is also possible to extend the number of phones connected to the phone line by connecting one of the free RJ45 or RJ11 connectors of the first ABI-ET2003 to one of the 3 connectors of the second one.

Important Remark: Only one ADSL modem should be connected to the system.

L1 PUBLIC analog (PSTN) line WITH ADSL (Extension to 6 telephone units)



5.3 One phone line (PSTN) connected to a priority FAX

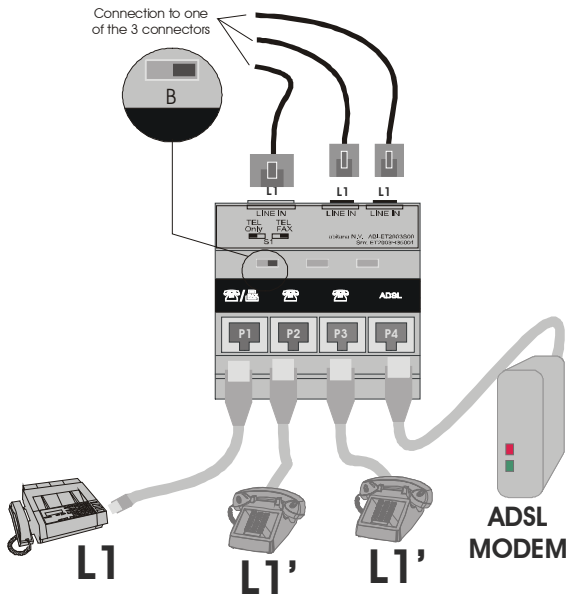
The FAX device is connected to P1. You can use the feed-through feature of that equipment to disconnect the rest of the phones when a FAX communication is in progress. This prevents disruption of the communication when someone picks-up a phone while the line is in use by those devices. The feed-through line becomes L1' in the drawing.

When a call arrives, all phones will ring (including FAX).

Depending on the configuration of the FAX, it will answer the call after a specified number of rings. Anytime between the first ring and that specific number of rings, you can answer the call by picking up any of the phones connected to P2 ~ P3.

When the call has been answered by the FAX ,phones connected to P2 ~P3 (L1') will be disconnected.

L1 PUBLIC analog (PSTN) line with ADSL



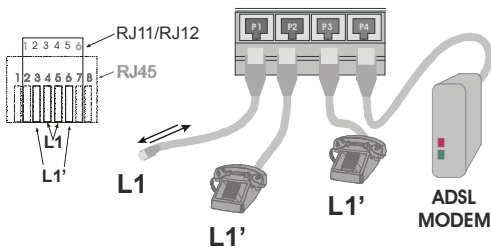
Switch Nr.	Position
S1	B

For this configuration, the switch must be in the position, indicated in the preceding table.

Important Remark:

This configuration is only valid in case the FAX connected to P1 returns L1' on pins 2 and 5 of the RJ11 connector (or 3 and 6 of the RJ45 connector).

Check the FAX documentation before using this feature.



Whenever the FAX is disconnected, all the phones connected to P2 ~ P3 are disconnected also.

If the FAX is disconnected (repair, maintenance,...) the configuration must be changed (Select setting A).

The use of this feature has no influence on the ADSL port.

6 Troubleshooting

- The telephone system works fine, but the ADSL modem connected to P4 is not working.
Check if the ADSL line is activated by the provider.
Check if the ABI-ET2003 unit is directly connected to the provider outlet (there should be no external ADSL filter installed).
- The telephone connected to port 1 works fine, but those connected to ports 2 and 3 are not working.
In case no FAX is connected and the feed-through feature is not used, verify that the switch is in position A.
In case a FAX is connected, check if the FAX device supports the feed-through feature and returns the phone signal to pins 2 and 5 of the RJ11 connector (to pins 3 and

6 of the RJ45 connector).

- Excessive noise during a phone conversation:

Make sure the telephones are only connected to ports P1 to P3 of the module.

In case the scenario from §5.1 is used, make sure that there is no ADSL signal present on the incoming phone line.

7 **Your configuration**

Port Nr	Connected to
Telephone line	c ADSL c NO ADSL
1	c L1 c L1 FAX Tel # :
2	c L1 c L1' Tel # :
3	c L1 c L1' Tel # :
4	c ADSL MODEM c L1 TEL Tel # :
RJ45 (Top)	c L1 c No Connection. Tel # :
RJ11-1 (Top)	c L1 c No Connection Tel # :
RJ11-2 (Top)	c L1 c No Connection Tel # : c Connection to second ABI-ET2003

Position of the switch

