# ABI-EV2013S00
# Home TV Gateway - RF Broadband, IP, xDSL - 4 port Slave
## Quick Start Guide

## 1   Package Contents

- DIN rail mountable Broadband Amplifier module
- Quick Start Guide
- 4 RJ45 Termination plugs

## 2   Tools

- Spanner 11mm

## 3   Introduction

This unit is a slave extension unit that increases the number of RJ45 TV Home links of an ABI-EV2012S00 Home TV gateway master unit.

Input port:

The slave unit's main input accepts broadband FM and TV signals in the range between 88 and 862MHz coming from one of the master unit's coaxial extension ports.

Output ports:

The combination FM/VHF/UHF is offered on four twisted pair RJ45 TV ports that can be connected via OmniMedia cable to RJ45 wall outlets. The 4 AUX ports on the front of the module carry back Ethernet or Phone line type return path signals for interactive digital TV services.

A range of Twisted Pair to Coax adapters (with or without adjustment, filters, IR…) is available for installation at the receiver end (i.e. ABI-AC1002S00, ABI-AC2001S00,…).

All 4 ports of the module are ready for and for ethernet return path (e.g. Telenet). This module is not equipped with a in-band return path (e.g. VOO, UPC).

## 4   Connectors

**ABI-EV2012S00**
**-**
**CATV Coax Output**



ABI-AC2001S00
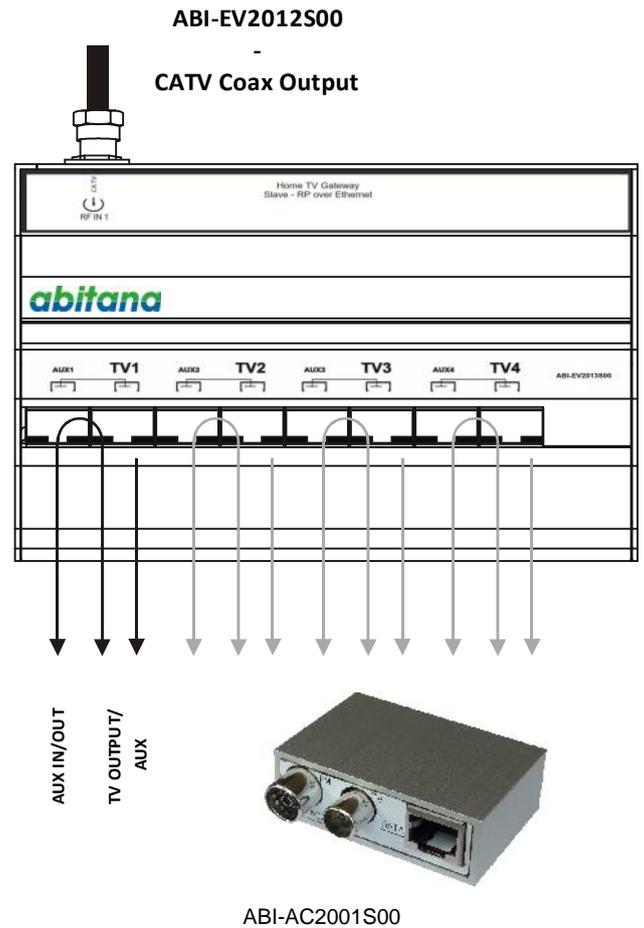
## 5   Power

The ABI-EV2013S00 is a passive module and does not require power supply.

## 6    Installation

⚠️

Power Off the central **ABI-PS1001Sxx** Power Supply by means of the Circuit Breaker installed in the '***Comm Center Cabinet***', or by removing the mains power cord from the Power Supply.
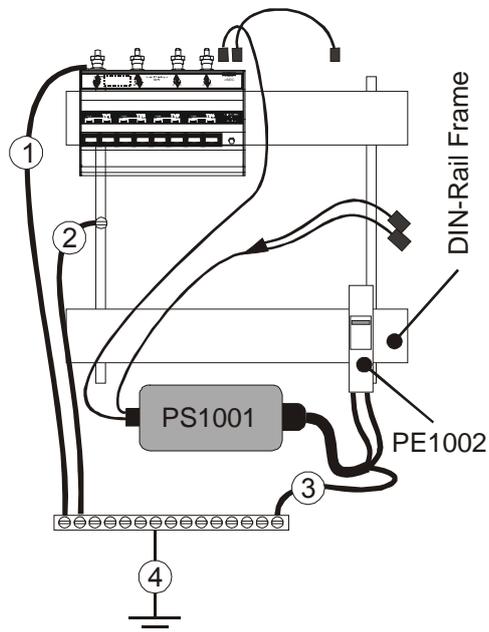


1. Click the ABI-EV2013S00 unit on the metal DIN-rail.
2. Connect the coax input of the ABI-EV2013S00 to a free coax output on top of the ABI-EV2012S00.
3. Tighten the screws of the connector, using the spanner

⚠️

**The ABI-EV2013S00 can only be used when combined with a ABI-EV2012S00 amplifier. This modules cannot be connected directly to the cableTV distribution or antenna.**

4. Turn on the power
5. Close the 'Comm Center Cabinet'.
6. Locate the Outlet near your TV-set or decoder you want to connect
7. Take a TV/Video Balun (ABI-AC2001S00) and set the level to maximum by means of the power level adjustment screw located on the balun (Turn the screw gently clockwise until it blocks). Then insert the Balun into the free Outlet using a screened RJ45-RJ45 connection cord. If the distance between the outlet and the central communication cabinet is more then 15m, you can also use a balun with fixed gain (ABI-AC1002S00).
8. Insert one end of a coax patch cord (ABI-PC1006Sxx) into the Balun (ABI-AC1002S00 or ABI-AC2001S00). Insert the other end of the Coax patch cord into the TV–set or VCR
9. In the 'Comm Center Cabinet', locate the Comm Center Connector that corresponds to the outlet where you just inserted the Patch cord and insert one end of a 'Comm Center' Patch cord' of a suitable length into this connector.
10. Insert the other end of the Patch cord in one of the numbered ports (TV1–TV4) on the front of the Amplifier.
11. Check the signal quality on the TV set; and adjust the level by means of the level adjustment screw on the Balun if necessary. Normally this is only required for short links between the Comm center Cabinet and the outlet.

## 7    Use of the AUX ports

Next to each TV port you'll find an extra AUX port equipped with low-pass filters that can be used to send an extra signal alongside the wideband TV signal over the same connection link (e.g. IR, Ethernet, ADSL, Phone). The pins not used for TV (1,2,3,4,5 and 6) are used for this.

The adapter ABI-AC2001S00 takes care of proper branching out at the other end of the link.   Pins1,2,3 and 6 go to the DATA connector (RJ45). Pins 4 and 5 go to the TEL connector (RJ11)

Simultaneous use of a wideband TV signal and an Ethernet signal is only intended for interactive digital TV with an Ethernet reurn path. (e.g. Telenet).

**IMPORTANT REMARK:**

**Insert a RJ45 Termination Plug in every unused port of the amplifier.**

**If all four ports are connected to outlets, but not all outlets have a device (TV/HDR/…) connected to it, it is strongly recommended to insert a Termination Plug into the latter (unused) outlets.**

**A variable gain balun (RJ45/coax adapter) can be used instead of a Termination Plug by setting it to the minimum level position (gently turn the setting screw counterclockwise till it locks).**

Additional, and more detailed information concerning this product can be found on the website: www.abitana.com.

Use the following table to write down information about the amplifier and the connections.

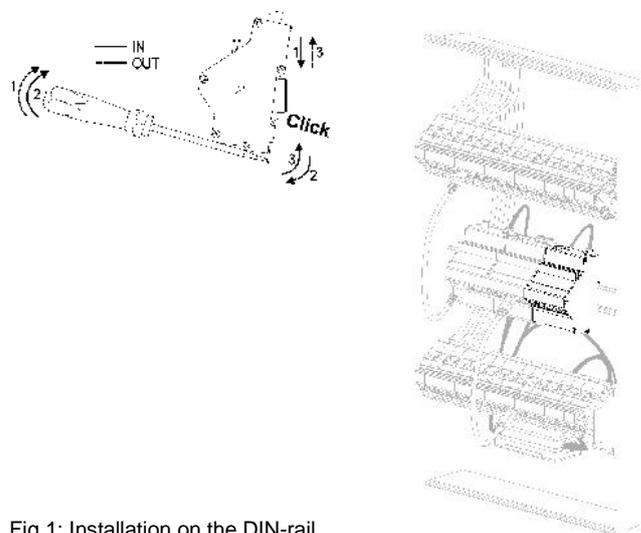| Amplifier Serial # | _____ . |
|---|---|
| Connection to Coax | Antenna ☐   Cable TV ☐ |
| P1- TV | [_____] |
| P1-AUX | [_____] |
| P2-TV | [_____] |
| P2-AUX | [_____] |
| P3-TV | [_____] |
| P3-AUX | [_____] |
| P4-TV | [_____] |
| P4-AUX | [_____] |



Fig.1: Installation on the DIN-rail

N.v. abitana S.A.