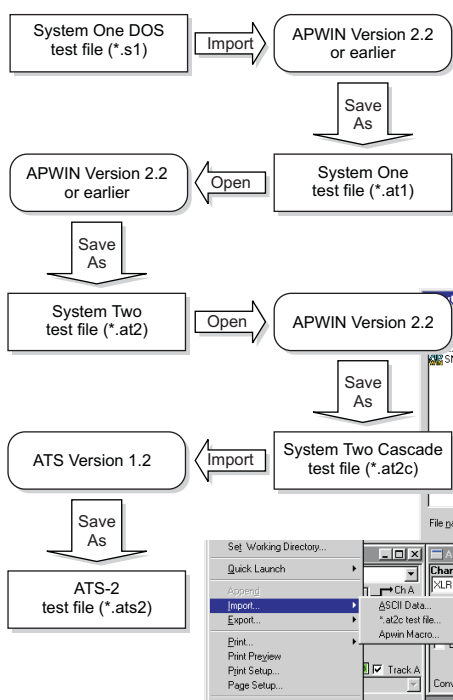




ATS-2 SR-1 New Features

Service Release 1 of the ATS-2 software adds several new capabilities both in software and hardware.

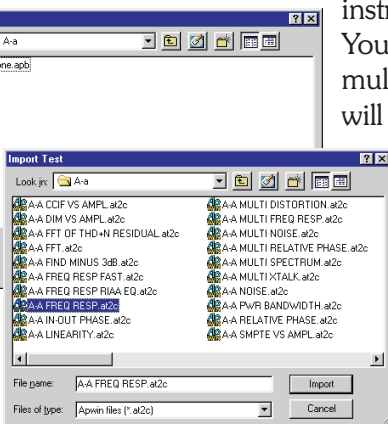
Test and Procedure Translator



The ATS-2 Translator provides a convenient migration path from APWIN tests and macros (procedures) created to run on System One, System Two, and System Two Cascade. Users with a large investment in existing tests and procedures can preserve this work while enjoying the benefits of ATS-2.

To translate a test created in APWIN so that it will run on ATS-2, simply import the .at2c test file while in the ATS software. The translator utility will make a best effort to map all Cascade instrument settings to equivalent ATS-2 settings. You may translate one file at a time or select multiple files for batch translation. Each test file will be translated and then saved with its original filename, but with its filename extension changed to .ats2.

Many tests will function as designed with no additional user input, while others will require only one or two minor changes.



IEEE-488 GPIB Interface Configuration



As an option, ATS-2 can be ordered in a GPIB configuration, model ATS2G. GPIB capabilities can also be added to ATS-2 after purchase with the installation of a GPIB upgrade at the Audio Precision factory or at a factory-authorized representative.

The GPIB configuration brings the IEEE-488.2 interface standard, also known as the *General Purpose Interface Bus* or *GPIB*, to ATS-2. Hardware for GPIB consists of a circuit board mounted on a connector panel assembly that is fitted in the reserved space on the ATS-2 rear panel, as shown.

The GPIB configuration makes it possible to integrate ATS-2 hardware into a system that may include other GPIB-compatible instruments and devices under the control of your choice of GPIB control software.

General Purpose Auxiliary Controls



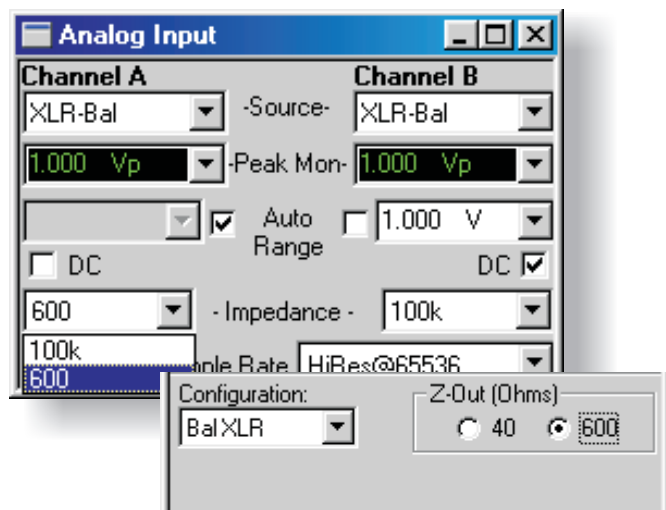
The Auxiliary Control Input and Output ports enable ATS-2 to transmit or receive control signals from external devices. This capability is frequently required in a factory test application to control external devices or to provide a simple user interface for unskilled operators. Specific applications include control of mains power, indicator lights, or annunciators; reading and display of device states; the use of pushbuttons, foot switches and so on.

The Auxiliary Control Input and Output are general-purpose 8-bit digital ports available on two 9-pin D-Sub connectors mounted on the ATS-2 rear panel. They are intended for direct interface to LSTTL circuitry, or via LSTTL-compatible drivers to relays.

You can set the state of the output bits directly on the ATS-2 Auxiliary I/O software panel just by clicking on the binary switches. The value of your setting is displayed in the field to the right in decimal, hexadecimal or octal units. The same panel also displays the values read at the input port.

The Auxiliary Control I/O is a sweepable setting.

Selectable 600 ohm Input Termination and Output Impedance



INPUT

The standard ATS-2 has a high-impedance 100 kohms analog input impedance. Users in the broadcast industry, telecom, and others who may require a low-impedance 600 ohm input termination can now add this option to ATS-2. With the 600 ohms impedance option ATS2-600T installed, an additional field will be displayed on the Analog Input panel as shown. This termination choice affects both the balanced and unbalanced inputs.

OUTPUT

The standard ATS-2 has output impedance choices of 40 ohms and 150 ohms or, with the EuroZ option, 40 ohms and 200 ohms. With the ATS2-600T option, the output source impedance choices for the balanced and common-mode test configurations become 40 ohms and 600 ohms. The impedances available for the unbalanced configuration are always 20 ohms and 50 ohms.

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