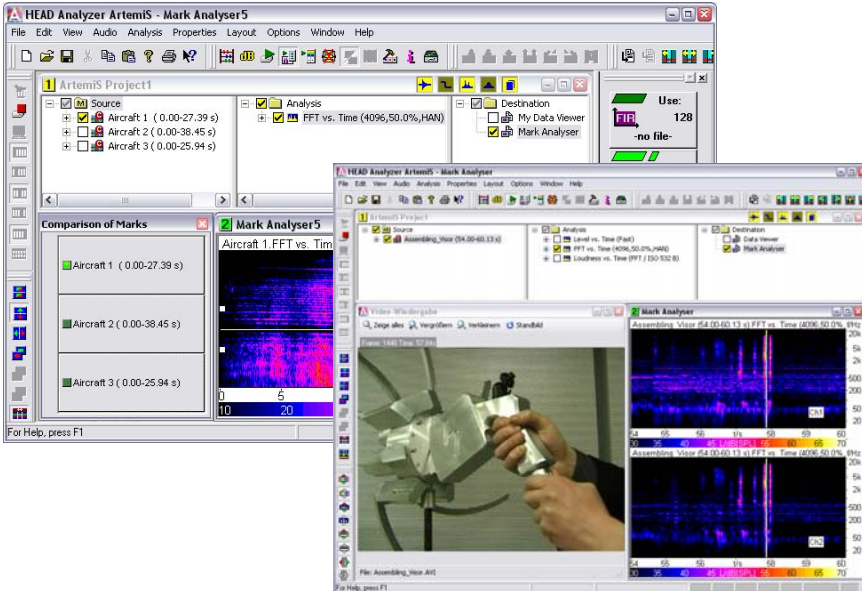


ATP 01 (Code 5011)

ArtemiS Playback Module

module for the playback of audio signals and the measurement of human hearing capabilities

ASM 11 (Code 5011) of the ArtemiS SUITE includes ATP 01.



Overview

With the ATP 01 extension module, any digital audio signal can be played back acoustically. By simply selecting signal sections with the mouse, the playback can be limited to certain events within the signal.

The Filter Editor allows up to four filters with adjustable characteristics (band-pass, band rejection, highpass, lowpass) to be activated interactively during the playback. That way, users can monitor the effect of filters acoustically and visually in real time. Noise components with certain characteristics within the signal can be quickly identified and manipulated.

The filter cursors display the applied filters graphically in the analysis diagram and allow an interactive variation of the filter parameters.

The function "Comparison of Marks" allows A/B comparisons of selected signals, where a time-synchronized or RPM-synchronized playback of the signals is possible.

ATP 01 allow the playback of AVI videos synchronously to the audio playback, provided that both have been recorded together, e.g. with the HEAD Recorder. This allows, in particular, transient sound events to be located and attributed to a filmed action.

ATP 01 also includes the HEAD Audiometer.

Playback

- Acoustic playback with simultaneous display of the analysis result and the current playback position by a moving cursor
- Variable adjustment of playback speed, level and channel
- Playback with tachometer display
- Playback with constant RPM by means of RPM-dependent signal sampling
- Playback dialog for channel selection, adjustment of volume and playback speed (0.25 to 4 times)
- Number of playback loops adjustable

Interactive Filters

- Interactive modification of filters in the Filter Editor (Filter type, channels, frequency, filter order, Q, type)
- Acoustic feedback when applying and interactively manipulating the filters
- Possibility to save custom filters to a new filter bank

A/B comparisons

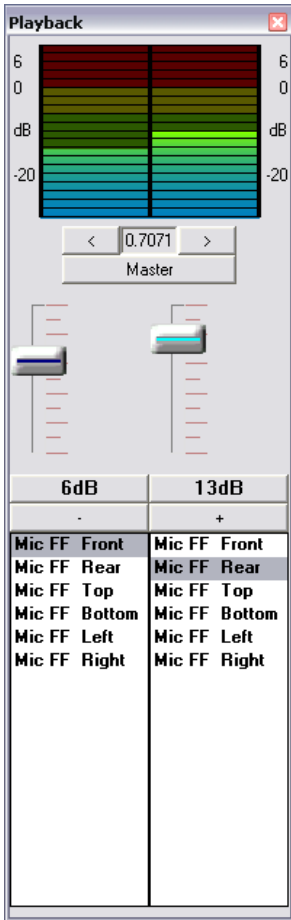
- Direct A/B comparisons of several signals by means of synchronous acoustic presentation of selected signal sections

Video Playback

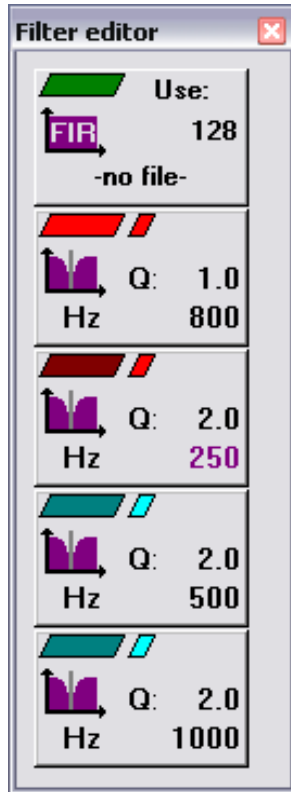
- Audio-synchronized video playback
- Display of single frames corresponding to the middle time position of a mark

HEAD Audiometer

- Class 4 audiometer (according to DIN EN 60645) for the quick and precise measurement of human hearing capabilities (not suitable for medical purposes)
- Selection of frequency ranges (125 Hz to 16 kHz) following DIN ISO 8253-1 and DIN ISO 389-5
- Pulsed or continuous sound playback according to DIN EN 60645-1:2001
- The following operating modes are available:
 - Manual sound selection and playback control
 - Automated procedure with increasing levels (following DIN ISO 8253)
- Automated "screening", where each sound is played with a constant, predefined level. After feedback from the listener, the next sound is played.



Playback dialog



The Filter Editor shows the currently active filter bank. Individual filters can be combined into groups. The groups are indicated by different colors.

Recommended accessories for playback with ArtemiS:

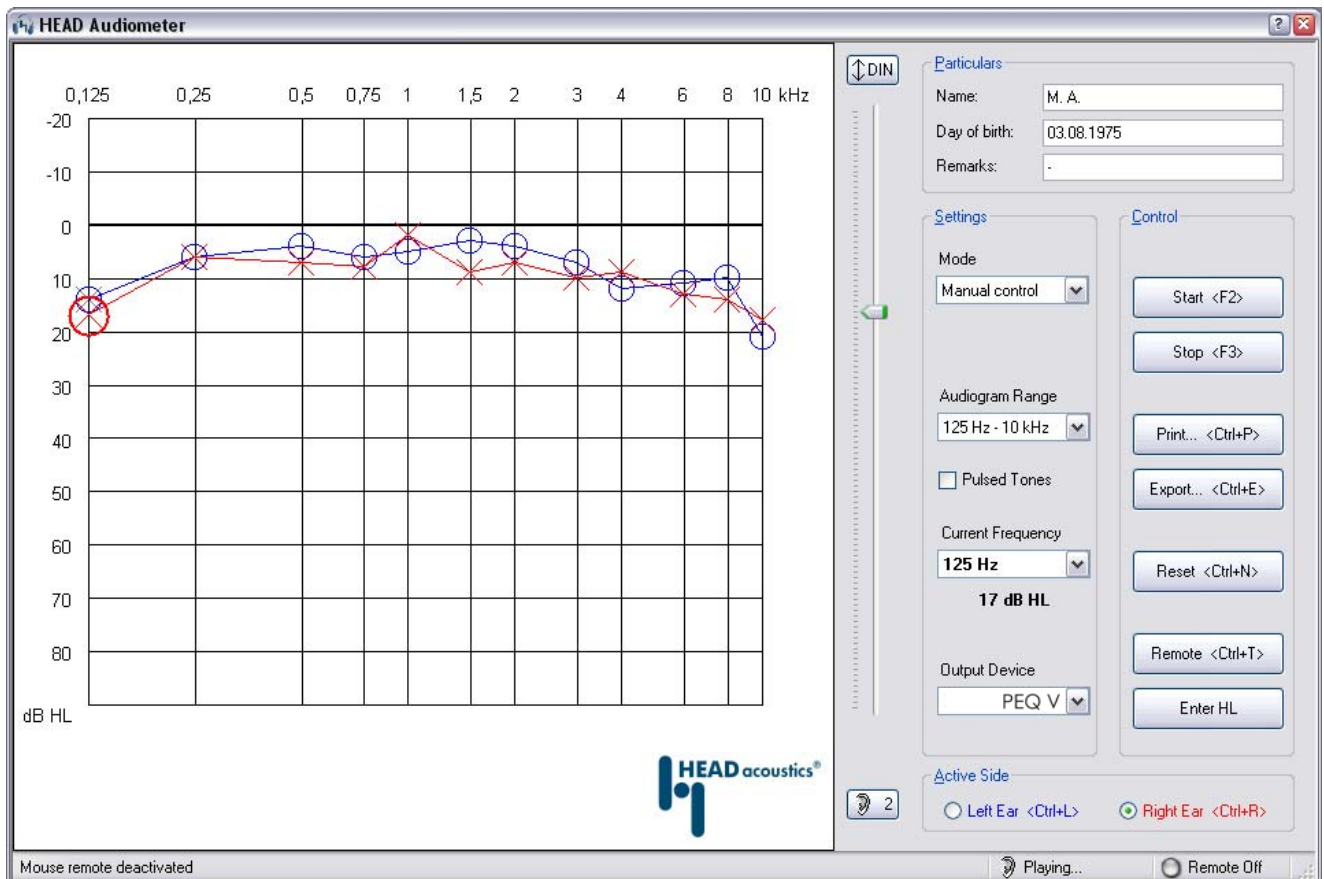
(not included)

- PEQ V (Code 2492)
Programmable, digital equalizer
- HD IV.1 (Code 2380)
Dynamic headphones for PEQ V
- PVA IV.3 (Code 2486) Power voltage amplifier
- HA III (Code 2480)
Elektrostatic headphones for PVA IV.3

Required hardware for HEAD Audiometer:

(not included)

- PEQ V (Code 2492)
Programmable, digital equalizer
- HD V (Code 2493)
Closed dynamic headphone for HEAD Audiometer



The audiogram generated by the HEAD Audiometer can be printed or exported as a text or image file (in PNG format).