

ESTOS AVDeviceTest

Quick Start Guide

Version 1.0.0.1

Table of content

1. AVDeviceTest program	3
1.1 Audio Test.....	4
1.2 Video Test.....	4
1.3 Log File.....	4
2. Licenses	5

1. AVDeviceTest program

The AVDeviceTest utility developed by ESTOS GmbH provides basic testing capabilities for Audio/Video (AV) devices connected to a PC running Microsoft™ Windows® 7 or newer. The ProCall Enterprise 5 product of ESTOS GmbH may use AV devices. The AVDeviceTest helps system administrators to verify basic AV compatibility without the need to install the ProCall Enterprise product. For more information regarding ProCall Enterprise please refer to:

<http://www.estos.de/produkte/unified-communications/procall5.html>

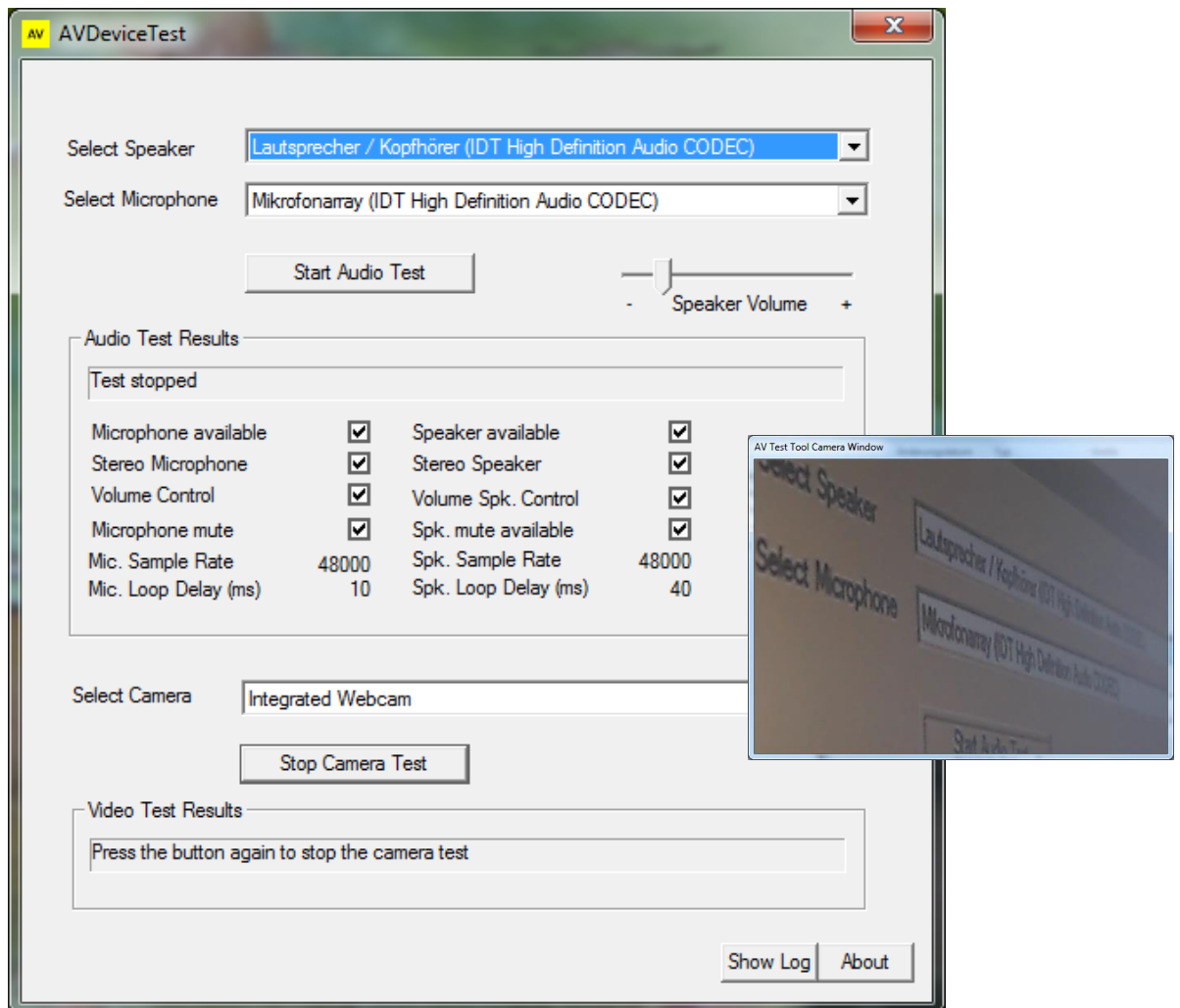


Figure 1: AVDeviceTest User Interface

1.1 Audio Test

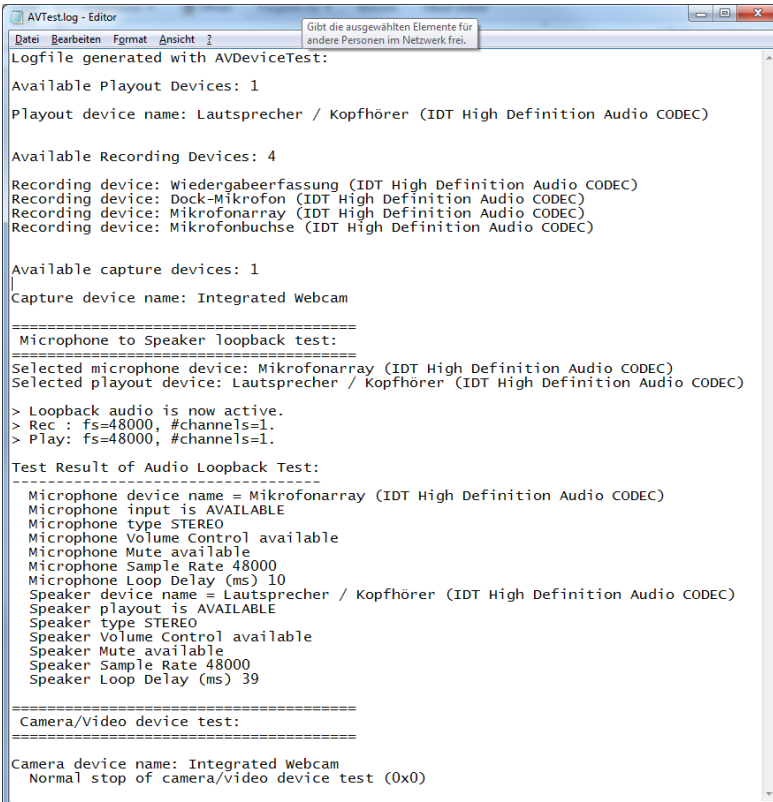
The test for Audio devices facilitates a local loopback connection from the selected microphone to the speaker devices. To start the Audio tests please press the “Start Audio Test” button. After a short period of time the „Audio Test Results“ area presents the device features detected, the actual device sample rate and the detected loop delay of the audio signal. The user recognizes an echo sound in the speaker device if the Audio devices are running fine. If a feedback pipe sound appears please decrease the speaker volume. Note that some wireless devices need to be switched-on by pressing a button at the device or at the base station. To stop the Audio tests please press the button once again.

1.2 Video Test

The video devices test includes opening a separate window showing a captured picture of the selected camera device. To start the tests please press the button “Start Camera Test”. To stop the tests please press the button once again. In the area “Video Test Results” short status or error messages are presented to the user, for example „Couldn’t start capture device (selected camera busy)“.

1.3 Log File

A log file named "AVTest.log" is created in the directory near the executable of AVDeviceTest. Please press after the tests the button “Show Log” to open an editor window presenting the log file content.



```
AVTest.log - Editor
Datei Bearbeiten Format Ansicht ?
Gibt die ausgewählten Elemente für andere Personen im Netzwerk frei.
Logfile generated with AVDeviceTest:

Available Payout Devices: 1
Payout device name: Lautsprecher / Kopfhörer (IDT High Definition Audio CODEC)

Available Recording Devices: 4
Recording device: Wiedergabeaufnahme (IDT High Definition Audio CODEC)
Recording device: Mikrofonarray (IDT High Definition Audio CODEC)
Recording device: Mikrofonbuchse (IDT High Definition Audio CODEC)

Available capture devices: 1
Capture device name: Integrated Webcam

=====
Microphone to Speaker loopback test:
=====
Selected microphone device: Mikrofonarray (IDT High Definition Audio CODEC)
Selected payout device: Lautsprecher / Kopfhörer (IDT High Definition Audio CODEC)

> Loopback audio is now active.
> Rec : fs=48000, #channels=1.
> Play: fs=48000, #channels=1.

Test Result of Audio Loopback Test:
=====
Microphone device name = Mikrofonarray (IDT High Definition Audio CODEC)
Microphone input is AVAILABLE
Microphone type STEREO
Microphone Volume Control available
Microphone Mute available
Microphone Sample Rate 48000
Microphone Loop Delay (ms) 10
Speaker device name = Lautsprecher / Kopfhörer (IDT High Definition Audio CODEC)
Speaker payout is AVAILABLE
Speaker type STEREO
Speaker Volume Control available
Speaker Mute available
Speaker Sample Rate 48000
Speaker Loop Delay (ms) 39

=====
Camera/Video device test:
=====
Camera device name: Integrated Webcam
Normal stop of camera/video device test (0x0)
```

Figure 2: Log file sample

2. Licenses

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