

AG501: Unboxing & setup

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| AG501 | System shipped lying |
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I. Quickstart Guide

The AG501 can be set up and running within minutes. Just follow these steps to get going. A description with all steps covered in detail can be found following this chapter.

- Remove the cardboard packaging and padding material (Chapter [II](#)).
- Attach the wheels of the AG501 (Chapter [III-A](#)).
- Remove the AG501 from the palett ([III-B](#)).
- Arrest the arm of the AG501 (Chapter [III-C](#)).
- Connect the cables of the AG501 (Chapter [IV](#)).
- Start the Control Server and log in as user **csop** (see Chapter [V-A](#) for password).
- Open the AG501 user guide to learn about calibration and measuring (Chapter [V-B](#)).



Figure 1: The cardboard packaging of the AG501

| Revision: 1 | Approved |
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| on: February 19 th , 2015 | on: |
| by: Ulrich Szagun | by: |

II. Unboxing of the AG501

The AG501 is shipped in a cardboard packaging strapped to a pallet.

- **Remove the straps and protective foil carefully from the cardboard packaging.**
- **Subsequently the lid and ring of the cardboard (Figure 1) can be removed easily by pulling them upward.**
After taking off the upper part of the packaging you will find the AG501 fixed to the pallet together with its accessories in a cardboard box (Figure 2). The exposed parts are additionally protected by padding material.
- **Carefully remove the padding material from the system.**
Please note, that the screws and sockets for fixing the arm (Figure 12) of the AG501 are taped to the the arm underneath the padding material. Please do not accidentally dispose them together with the padding material.
- **Open the package containing the system equipment and empty it completely.**
The package is fixed to the palett, so it has to be emptied in place. However, it is important to remove all parts from the package before continuing.
- **Attach the wheels to the AG501 (Chapter III-A).**



Figure 2: The AG501 strapped to the transport palett

III. Setting up the AG501

A. Attaching the wheels

To attach the wheels the AG501 should remain mounted to the palett.

The wheels (Figure 3) with the required screws are in the cardboard box of accessories, where you can also find the Allen wrench to tighten the wheels (Figure 4).

- **Attach front wheels and back wheels as described in [III-A-1](#) and [III-A-2](#).**
- **Arrest the back wheels and carefully bring the AG501 to the upright position.**



1. Front wheels

- **Place the washer inside the mounting of the front wheels (Figure 5).**
Insert the washer pins in the outer holes.
- **Screw on the front wheel to the T-slot nut with the Allen wrench (Figure 6).**
Align the mounting of the wheel with the front of the frame by moving the T-slot nut correspondingly before finally tightening the screw.





2. Back wheels

- **Move the T-slot nuts to the back of the frame and adjust the distance between them so that they match the holes of the back wheel mounting (Figure 7).**
- **Screw on the back wheel to the T-slot nuts with the Allen wrench (Figure 7).**
Align the mounting of the wheel with the back of the frame by moving the T-slot nuts correspondingly before finally tightening the screw.



B. Removing the AG501 from the palett

Before continuing make sure you removed all loose parts from the palett and that the package with the system equipment is empty.

- Lock the back wheels of the system.
- Bring the AG501 to an upright position by tipping over the palett carefully, so that the AG501 stands on its wheels (Figure 8).
- Remove the flat-head screws that attach the system to the palett with the Allen wrench (Figure 8) and take off the palett.
- Loosen the screws of the transport sections and remove the T-slot nuts (Figure 9).
- Put the filling material in the profile of the removed T-slot nuts (Figure 10).

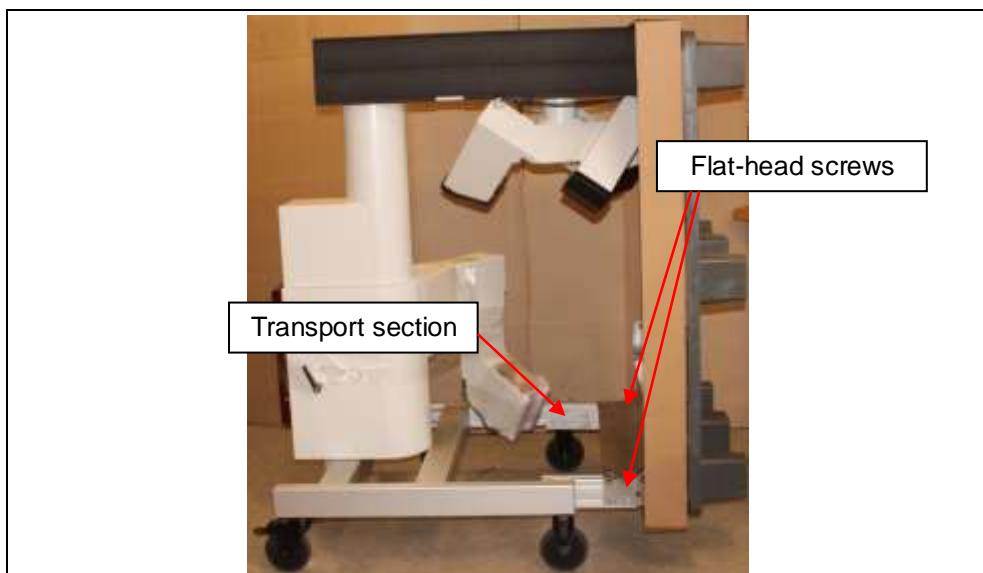


Figure 8: Bring the AG 501 to an upright position and loosen the flat-head screws to remove the palett from the system.



Figure 9: Loosen the screws of the transport sections and remove the T-slot nuts

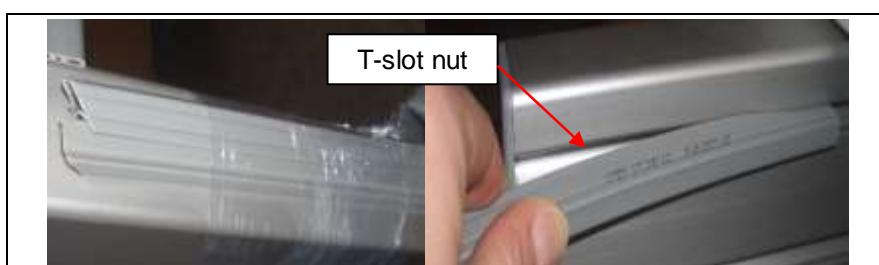


Figure 10: Put the filling material in the profile of the removed T-slot nuts

C. Arresting the arm

- Move up the housing of the AG501, so the arm can swing freely (Figure 11).
- Bring the arm to the horizontal position and apply the inserts to the inner and outer holes (Figure 13). The screws and inserts for arresting the arm are taped to the outside of the arm (Figure 12).
- Secure the inserts with the screws (Figure 13).

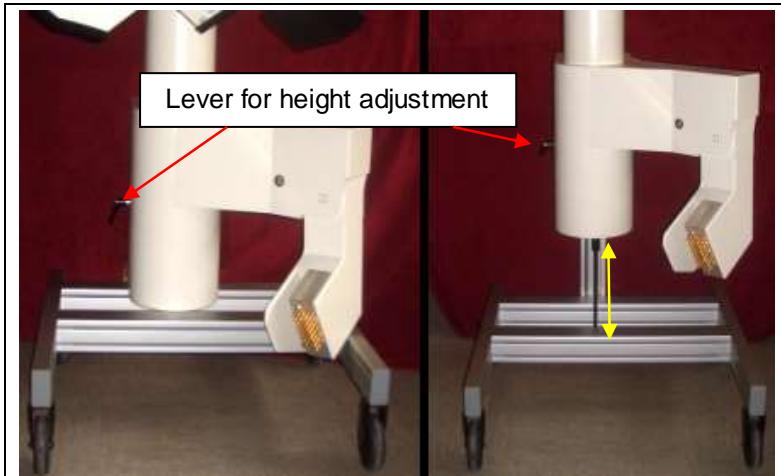


Figure 11: To adjust the height of the AG501 loosen the lever and move the housing up or down.

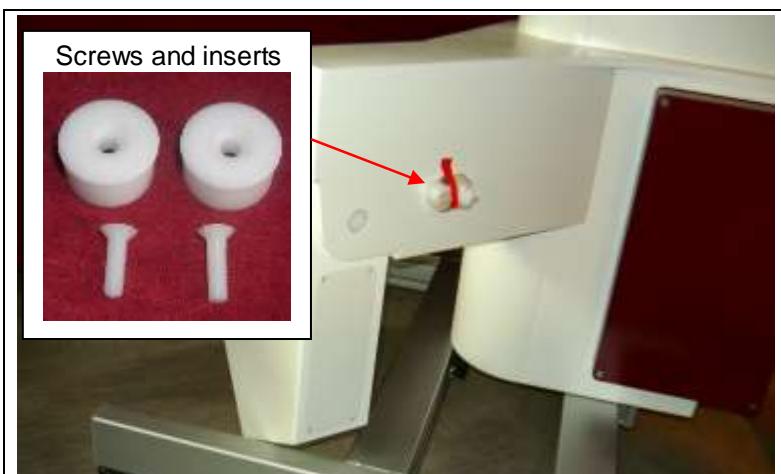


Figure 12: The screws for arresting the arm are taped to the arm



Figure 13: Bring the arm to the horizontal position and apply one insert to the inner hole and one to the outer hole.

IV. Connecting the AG501

A. E-Box and Control Server

- Connect the yellow LAN cable between E-Box and Controls Server (Figure 14).
- Connect the power connector and the grounding cable as seen in Figure 14.

If you need access to your local network, you can insert the provided LAN express card into the Control Server (Figure 14) and connect it via LAN-connector.

For Control Server configuration please see *Adding the control server to a local network* in the *AG501 User Guide* (501-user-guide.pdf).

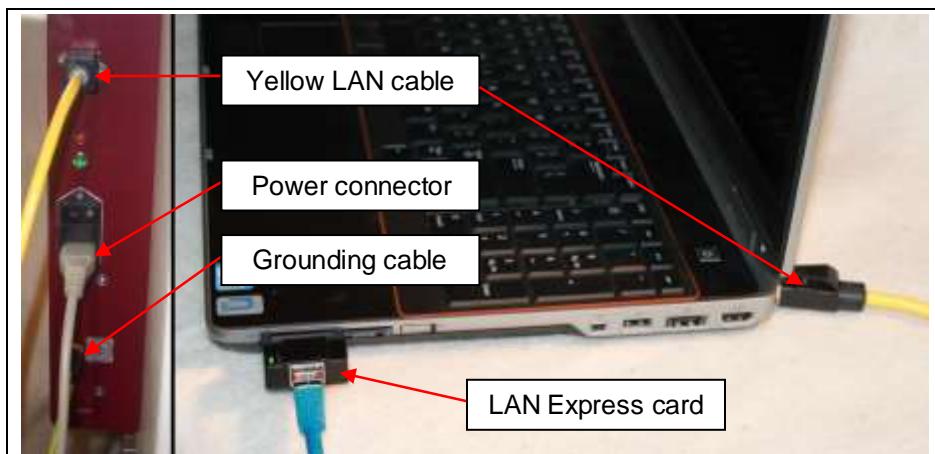


Figure 14: E-Box and Control Server cable connections

B. Sybox

- Drag the Sybox cable out of the housing's bottom opening (one end is permanently affixed within the housing) and connect it to the Sybox (Figure 15).

Set up the components for sound recording according to the manual (AG501_sound.pdf).

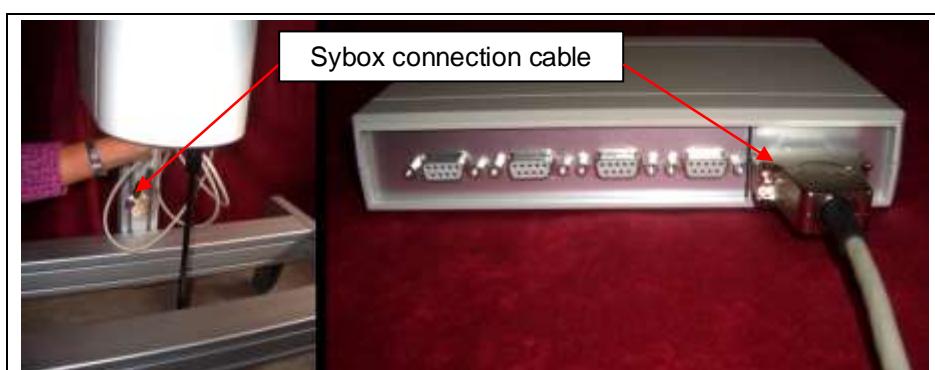


Figure 15: The Sybox connection cable is located inside the housing of the AG501

V. Starting the Control Server

A. Logging in

When starting the Control Server a login-screen welcomes you (Figure 16-1).

- Choose **csop** as user by clicking on the name (Figure 16-1).
- Type in the password for the **csop**-user (Figure 16-2).

The password for **csop** is always the name of the Control Server (Figure 16). So if the name of your Control Server is **cs61** then the password for **csop** is **cs61**.

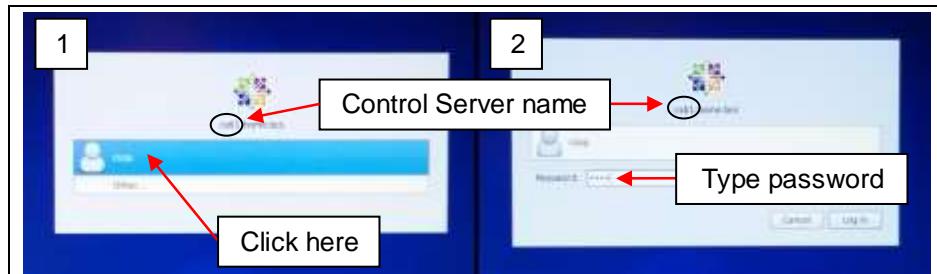


Figure 16: Logging into the Control Server. The password for **csop** is the name of the Control Server.

B. Opening the User Guide

- To open the AG501 user guide click on **Applications** in the upper left corner of the screen (Figure 17-1), choose **AG501** and click on **AG501 user guide** in the sub-menu (Figure 17-2).

The **AG501 User Guide** is a collection of pdf-documents, where you can find all the necessary information for operating and maintaining the AG501 system with its peripherals. Depending on your previous knowledge the main manual is a good starting point, from where to explore the possibilities of the AG501.

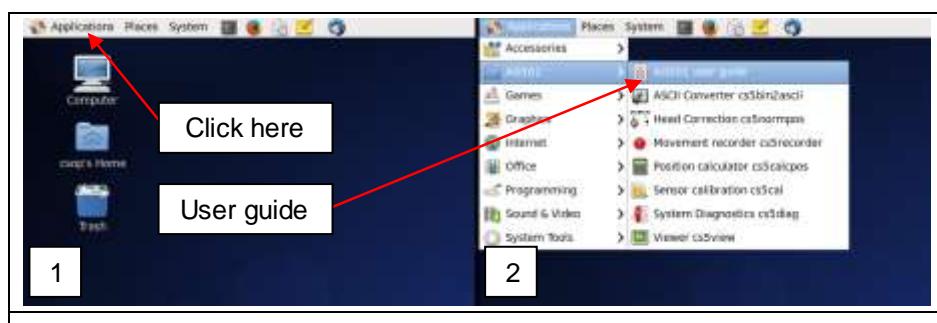


Figure 17: Opening the AG501 user guide

VI. Revision history - AG501: Unboxing & setup

| Date | Revision | Annotation |
|----------------------------------|----------|---------------|
| February 19 th , 2015 | 1 | Ulrich Szagun |