LKC TECHNOLOGIES

Diagnostics in Sight

UTAS Set-up & Installation Guide

Version 1.0

December 10th, 2008

The UTAS Set-up and Installation Guide provides step by step instructions for installing your system.

If you have questions at any time during your installation, please email us at support@LKC.com or call 301-840-1992 option 3 during normal business hours:

Monday - Friday
8h15 to 17h00 GMT-5

All connectors on the computer are labeled. Plug all system components into the labeled connectors on the computer. Failure to follow directions — including with USB cables — may cause problems with your system.

Step 1—Unpacking & Configuring your System:

When you unpack your system, you will find the following equipment:

There will also be:

- 1—2 meter power cable
- 1—adaptor cable for the printer
- 4—1 meter power cables
- 1—Main power cable for the MGIT-100 (grey)
- 1—Serial cable
- 1—Fiber optic cable
- 1—Power cord adapter for the printer plug
- 1—Ganzfeld & SG-2002 connector
- 3 USB Cables
- 1 VGA and 1 DVI Cables

Optional Equipment:

- Multifocal ERG/VEP (Additional Camera and Chin Rest)
- Eclipse—Dark Adaptometry (Additional push button)
- CMGS-1 Color Mini-Ganzfeld Stimulator
- MGS-2 White Mini-Ganzfeld Stimulator

Arrange system components in your work area. The above picture is the recommended configuration for this system.

Step 2—Connecting the Power Cords

All power cables must be plugged into the MGIT-100 unit; the MGIT-100 is in turn plugged into the wall outlet.

1. Make sure that the MGIT-100 is turned OFF (look at power switch on the front of the MGIT-100 and make sure that the 0 is pushed in).
2. Insert the main power cable into the MGIT-100 and plug it into the wall outlet. (See figure 1)
3. Connect the power cables into the back of the following components: (See figure 2)
    - Computer
    - Video Monitor
    - Pattern Monitor
    - UTAS Interface
    - UBA Charger
4. Connect the power cables for the above components into the back of the MGIT-100. There are no designated outlets, you may plug them into any available space. (See figure 3)

Figure 1

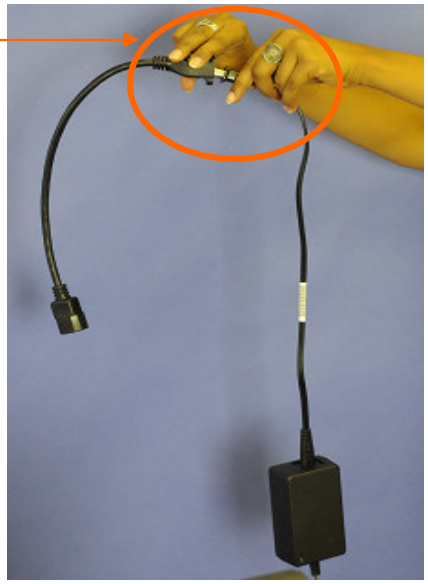
Figure 2

Figure 3

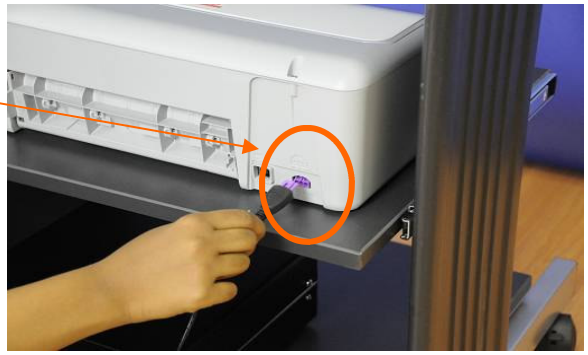
Power Connection (special cases):

Printer

1. Connect the power cable from the printer into the small adapting cable as shown. Plug the adapting cable into the MGIT-100.



2. Connect the output of the power supply to the back of the printer.

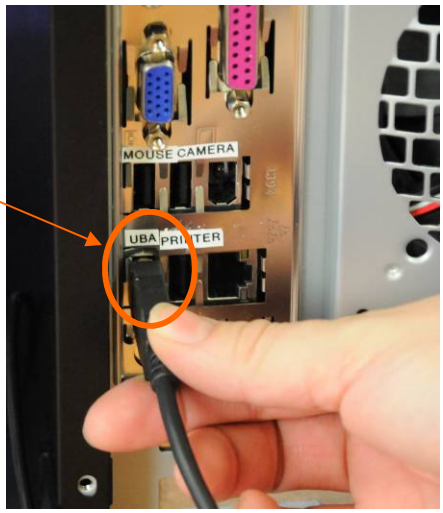


Your printer may not look exactly like the one shown here.

Step 3— Connecting the UBA-4204 Amplifier

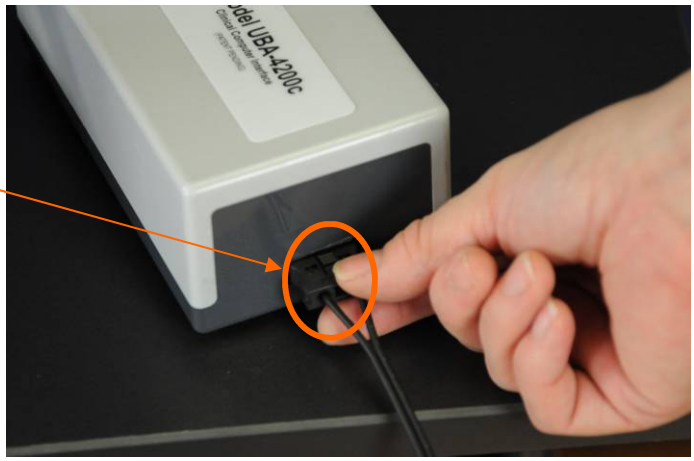
1. Connect the USB cable to the UBA-4204 Interface

2. Insert the other end of the USB into the computer is the USB port labeled UBA

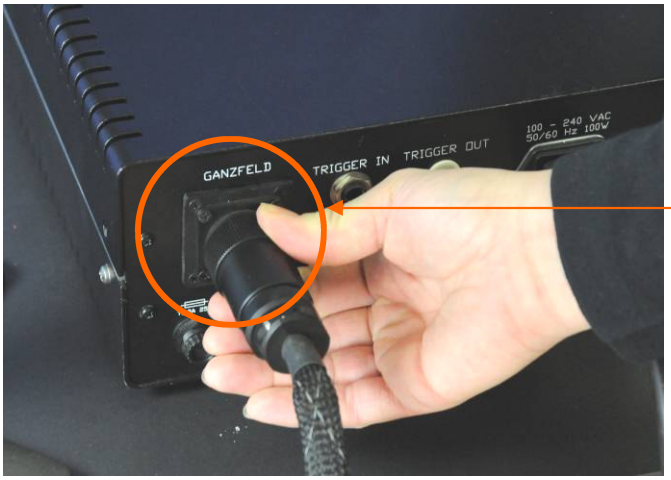


3. Insert the fiber optic cable into the UBA-4204 amplifier.

4. Insert the other end of the fiber optic cable into the UBA-4204 interface.



Step 4— Connecting the ganzfeld to the UTAS Interface



Insert the Ganzfeld cable's connector into the connector on the UTAS Interface where labeled and tighten the locking ring securely.

Step 5— Connecting the UTAS Interface to the Computer

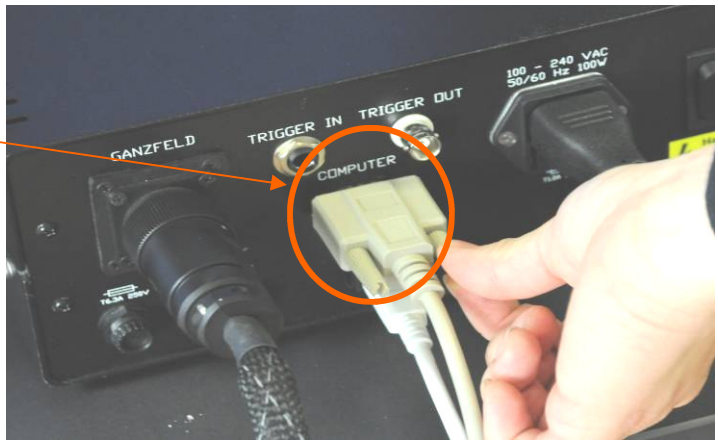
1. Plug the USB cable in the back of the UTAS Interface.

Note: This is only for SunBurst ganzfelds and BigShot with the fixation camera option.

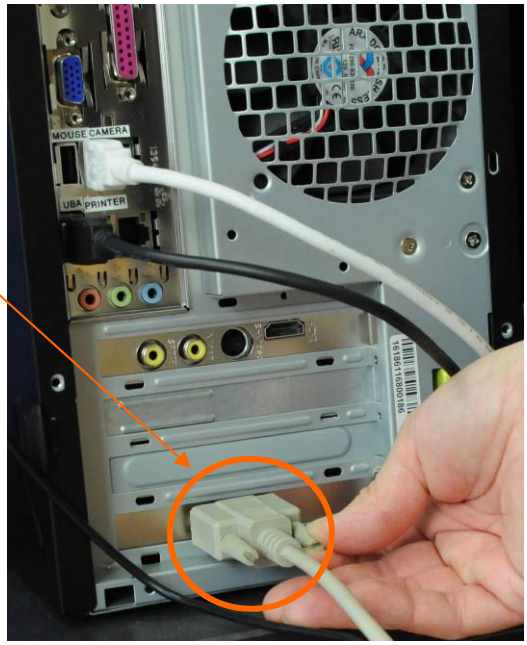
2. Plus the other end of the USB cable to the USB port at the back of the computer labeled CAMERA.

Note: This is only for SunBurst ganzfelds and BigShot with the fixation camera option.

3. Plug the Serial cable in the back of the UTAS Interface where labeled COMPUTER.

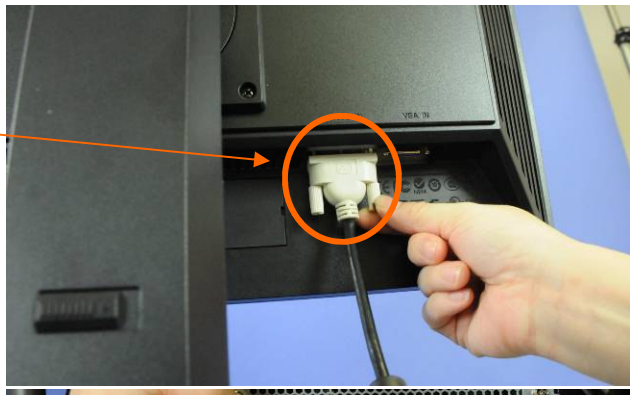


4. Plus the other end of the serial cable to the serial connector at the back of the computer.

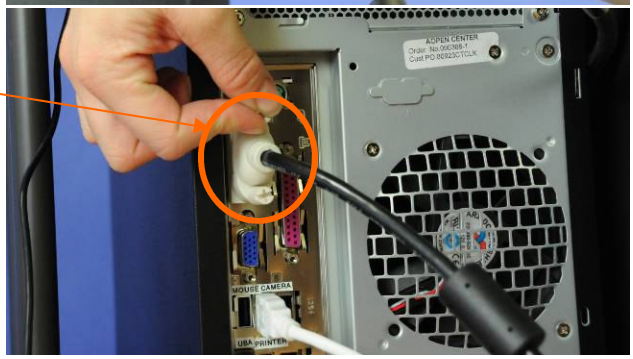


Step 6— Connecting the User Video Monitor to the Computer

1. Connect the **DVI** cable in the back of the LCD Video Monitor as shown, and tighten the retaining screws on the sides.

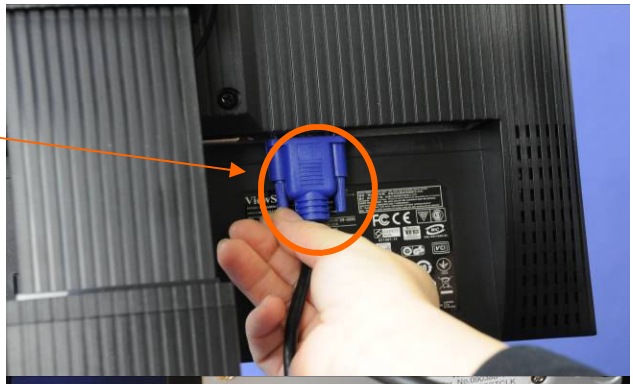


2. Connect the other end of the **DVI** cable to the Computer as shown.

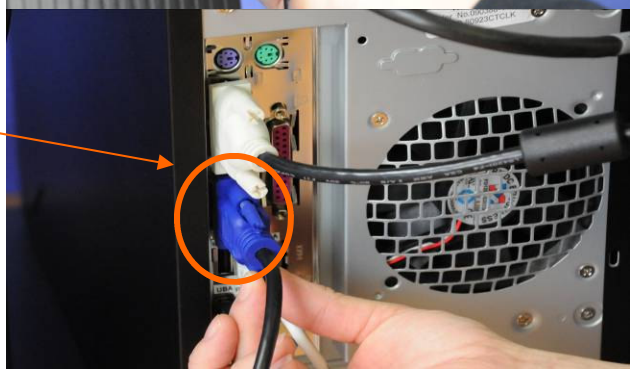


Step 7— Connecting the Pattern Monitor to the Computer

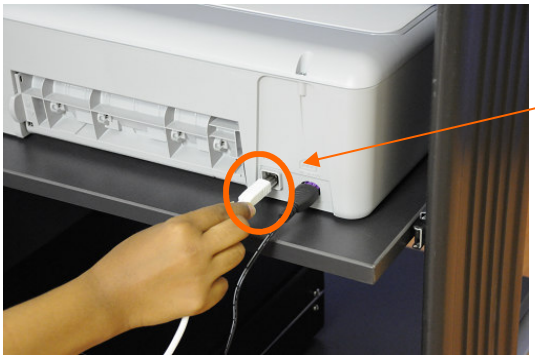
1. Connect the **VGA** cable in the back of the LCD Video Monitor as shown, and tighten the retaining screws on the sides.



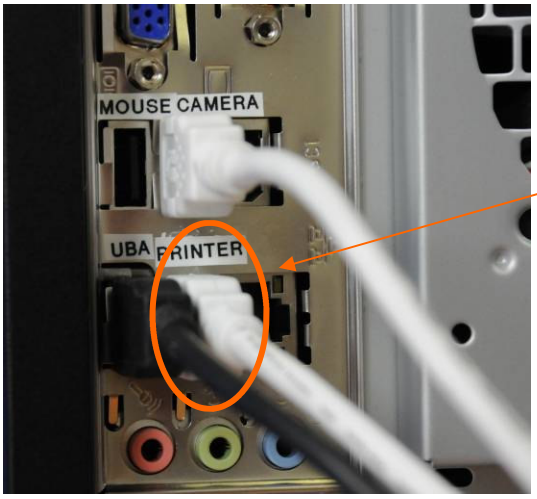
2. Connect the other end of the **VGA** cable to the Computer as shown.



Step 8— Connecting the Printer to the Computer



1. Connect the USB cable to the Printer.



2. Connect the other end of the USB cable to the Computer as shown.

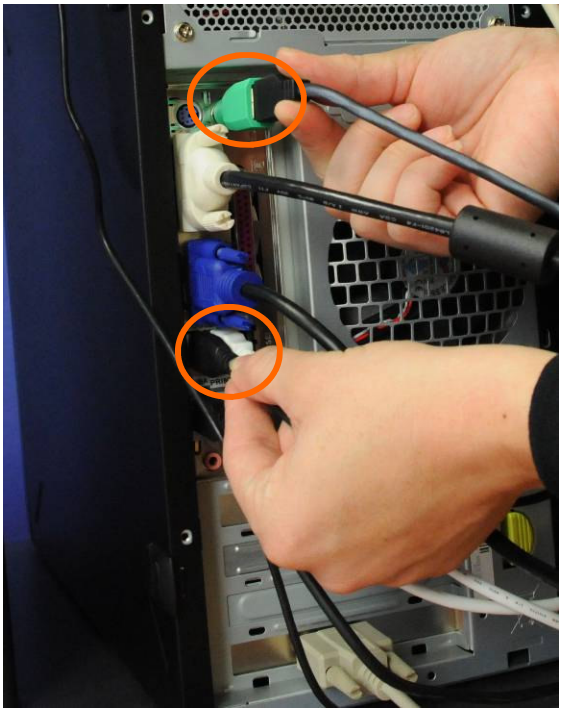
Make sure you connect it to the USB slot labeled PRINTER.

Step 9— Connecting the UBA-4204 Charger

1. Plug power cord into the charger power brick (Figure 1).
2. Plug charger into the UBA Amplifier (Figure 2).

Step 10— Connecting Mouse and Keyboard

Plug in mouse and keyboard according to labeled at the back of the computer. Depending on computer configuration your mouse and keyboard can be PS2 or USB connections. PLUG ACCORDING TO LABELS ON THE COMPUTER.



Step 11— Connecting Optional Equipment

ECLIPSE DARK ADAPTOMETRY

This add on consist of an extra push button that plugs in the back of the UTAS Interface in the connector labeled TRIGGER IN.

MFERG/MFVEP

If you acquired MFERG/MFVEP add-on with the system then some components will be different:

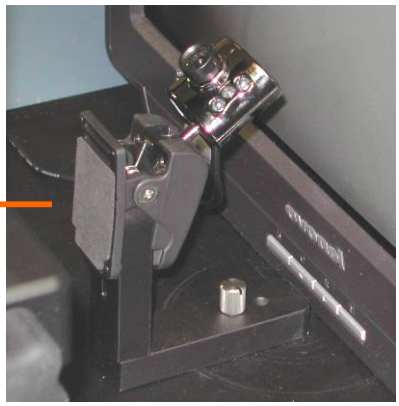
- Fixation camera
- Chin rest
- CRT Pattern Monitor instead of LCD Pattern monitor.

The CRT pattern monitor will plug into the same location that the LCD pattern monitor would. The camera mounts on the L bracket of the chin rest.

The distance between the screen and the front of the chin rest should be:

- 25 cm for a 17” monitor

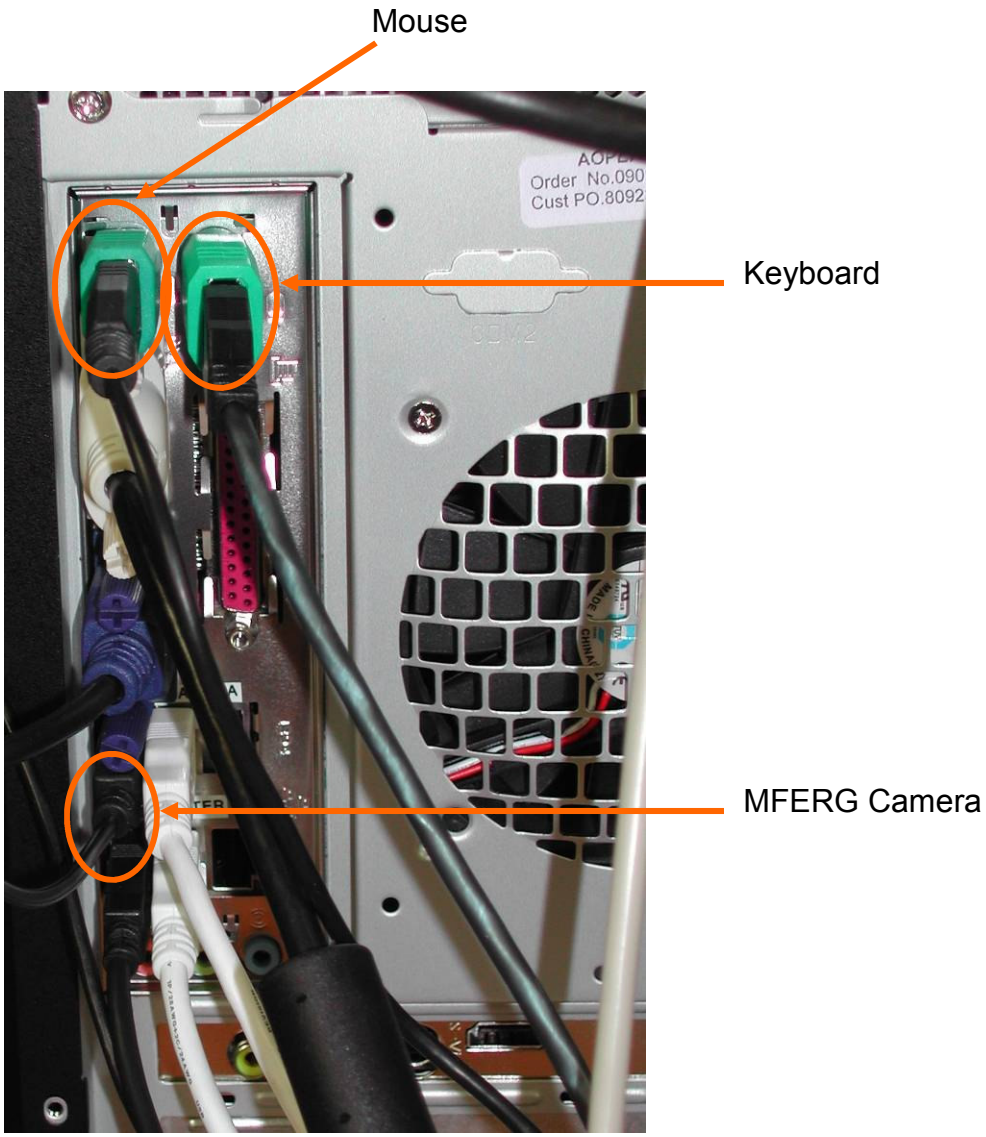
- 28 cm for a 19” monitor



Camera on L Bracket

The connection at the back will vary to accommodate for the additional USB Fixation Camera. This usually result s in having the keyboard and mouse plugged in PS2 adapters instead of plugging in USB ports.

Plug the Fixation Camera in the USB port labeled MFERG CAMERA
Plug the mouse and keyboard according to labels on the computer.



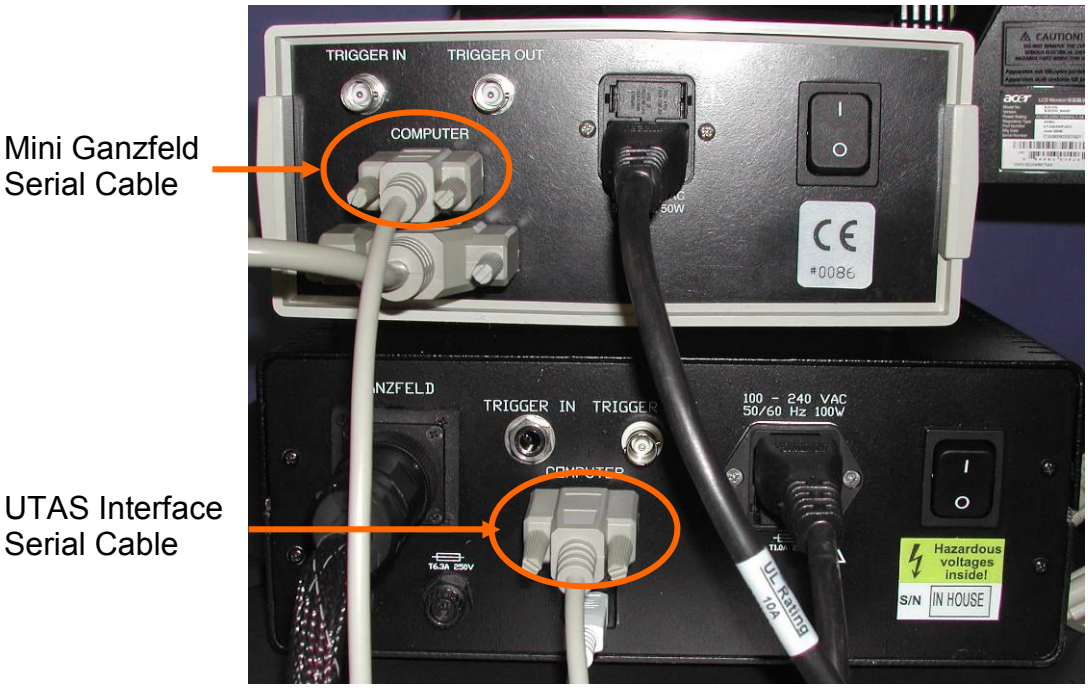
CMGS-1 / MGS-2 Mini-ganzfelds

If you acquired a mini ganzfeld add-on with the system then you should have received additional components with it:

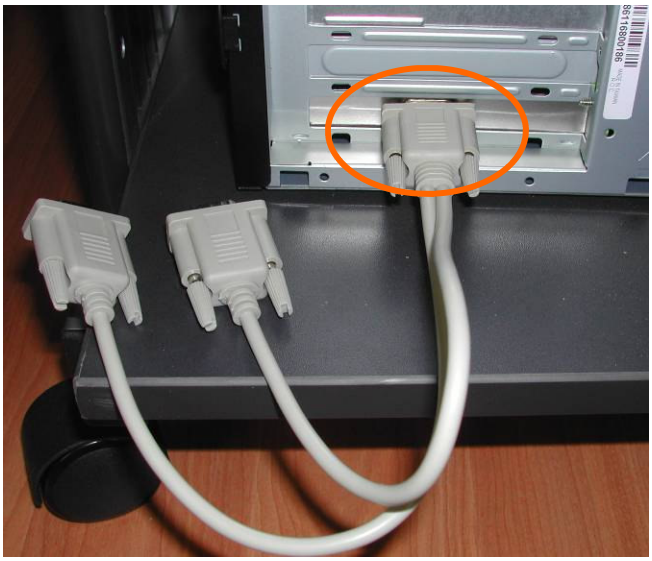
- 1 Y—Splitter serial cable
- 1 serial cable
- 1 power cord

Step 1: Connect Power cord and handheld stimulator to the mini ganzfeld interface.

Step 2: Connect serial cable to the back of the mini ganzfeld interface where labeled COMPUTER.



Step 3: Connect the Y-Splitter serial cable into the serial port at the back of the computer



Step 4: Connect the serial cables from the mini ganzfeld and the UTAS interface to the Y-splitter.

To Mini Ganzfeld Interface

To UTAS Interface

All specifications subject to change.

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