

December 12, 2008

THE PROPER SET UP OF THE TT-02s IN YOUR CLASSROOM

The most important question that any teacher has once they open up the ELMO TT-02s is “How do I set it up”. This paper will discuss the proper way to hook the ELMO TT-02s up to both a Laptop and a projector.

First, the number one question that we get at ELMO is do I need a projector or monitor to view the information that will come from your document camera. The answer is YES! This product is much more than a overhead camera. The TT-02s is a digital piece of equipment that has no built in projector.

There are two ways to hook the ELMO TT-02s to a projector. The following directions will let you use ALL the features this very special classroom product.

Unpacking the TT-02s

There are several rules when opening up your new Elmo TT-02s.

- Unpack everything before hooking anything up
- Take the TT-02s out of the box and place it on a table
- **IMPORTANT!** Move the camera arm parallel to the table and **ROTATE** the camera 180 degrees so that the camera is now in the proper operating position. (Image #1)
- Read through the manual.
- Read the software manual. Note that MAC software can be found on our web site www.elmoussa.com. (Image #2)
- Save the shipping box. The box is built to house the TT-02s should you need to send it back for service
- Save everything that came in the box!

SETTING UP THE TT-02s

We see teachers setting up the TT-02s in many different ways. We want you to set it up as follows:

PROJECTOR ONLY

- If you are only hooking the TT-02s up to a projector use the 15 pin RGB cable directly from the RGB out on the TT-02s to the RGB in on the projector. You can use the RGB cable that came with the projector.
- Plug in the Power supply for the TT-02s.
- Turn the TT-02s and the Projector on.
- After the projector warns up you will see an image on the wall or screen.
- If you do not see any image make sure that the Projector is set to show the RGB video (Computer/ XGA etc) that you are hooked through. You can press the set up button on the Projector until you see an image.
- You are ready to GO!

LAPTOP COMPUTER, DOCUMENT CAMERA, PROJECTOR

Here is where the fun begins. The following setup will let you use all the features of the ELMO TT-02s.

- Think of the ELMO TT-02s as the centerpiece of this set up. Put the laptop on one side of the ELMO and put the projector on the other side of the ELMO.
- Hook up the ELMO TT-02s to the projector as we have just done in the above setup.
- Use the RGB cable that came with the document camera and hook that cable to your extra monitor port on the back of the Laptop and attach it to the RGB **IN** on the back of the ELMO TT-02s.
- Attach the USB cable (provided) from the ELMO TT-02s back to the Laptop. **NOTE** ... you should add the ELMO Imagemate software to your computer before attaching the USB cable from the TT-02s.

What you have done with this setup is used the TT-02s as the “Switcher”. Everything now goes through the ELMO TT-02s. You will see the buttons on the TT-02s. (**Figure # 3**) You can view either the computer or the document camera through the Projector with a push of a button.

You can view your computer in this setup even when the ELMO TT-02s is turned off. One feature of the TT-02s is that it offers an active pass through. When the ELMO TT-02s is off the computer image will automatically pass through to the projector.

Please make sure to view the other Training sessions that I have placed in the HELPFUL HINTS section of the ELMO web site. (**Figure #4**) If you have any questions with this session please email me directly at agraziano@elmousa.com.

Figure #1

Once the camera has been turned 180 degrees, Image #1 shows the proper setup of the TT-02s. Note that all the cable hook-ups are in the back of the unit.



Figure # 2

First, click on Digital Visual Presenters on the first page of the Web site (www.elmoussa.com)

Go to the TT-02s section Click on the MAC software download (arrow)

Exciting Visual Technology for the Classroom!

TT-02s Digital Visual Presenter

- ▶ Simple control panel for easy, intuitive operation
- ▶ Capture vivid, live images with smooth 20 fps frame rate
- ▶ 41.6x zoom with Auto-Focus (5.2x Optical, 8.0x Digital)
- ▶ Built in SD Card Slot
- ▶ LED lighting source
- ▶ 180 Degree rotating arm
- ▶ 'Stroke of the pen' easy annotation on removable stage
- ▶ Versatile input/output connections to PC, video monitor, or projector for large screen presentation
- ▶ Camera auto-adjusts to changing levels of room brightness, ensuring easy to view, clear presentations
- ▶ Microscope slides are easily displayed in microscope viewing mode
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Figure #3

You can switch between the PC and the Document camera with the two Red highlighted buttons. The menu button will also let you use the many features that came with the TT-02s such as the Microscope feature. (See helpful Hints)



Figure #4

Clicking on the Helpful Hints button will take you to all my Training Sessions for the TT-02s. Make sure that you check this section monthly as we are always adding Helpful Hints.

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