

## The Mobile Broadcast Cart

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### Set Up/Operating Guide



# Setting Up the Cart

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1. Roll cart to desired location near a CATV drop.
2. Unlock and open both doors (front and back).
3. Connect the power cord located on the left side of the cabinet to AC power.

# Setting Up the Cart

4. Connect the CATV cable (about 30 ft. long) to the RF port on the rear connector panel of the cart and to the CATV drop on the wall.



# Setting Up the Cart

5. Be sure the the jumper cable supplied (horseshoe) between **TO CG** and **FROM CG** on the rear connector plate. This makes the video output available to the cable system. Leave this cable in place at all times.



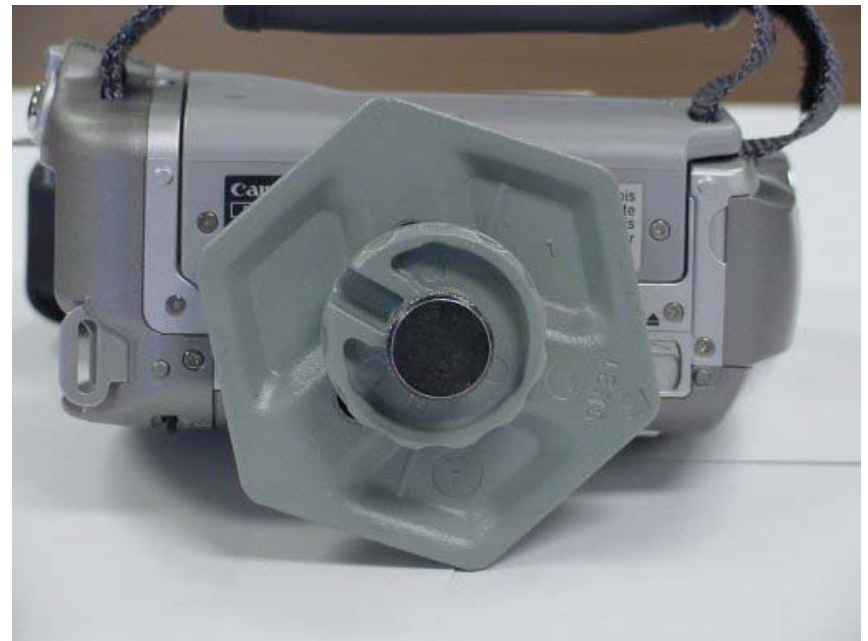
# NOTES

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- ◆ TV speaker sound can not be heard from the VCR if TV is set in *Video mode*. Place TV in *TV mode* to hear VCR sound.
- ◆ If TV set is in *Video mode*, only camera video/audio, and other audio sources can be heard if cameras are connected and playing.

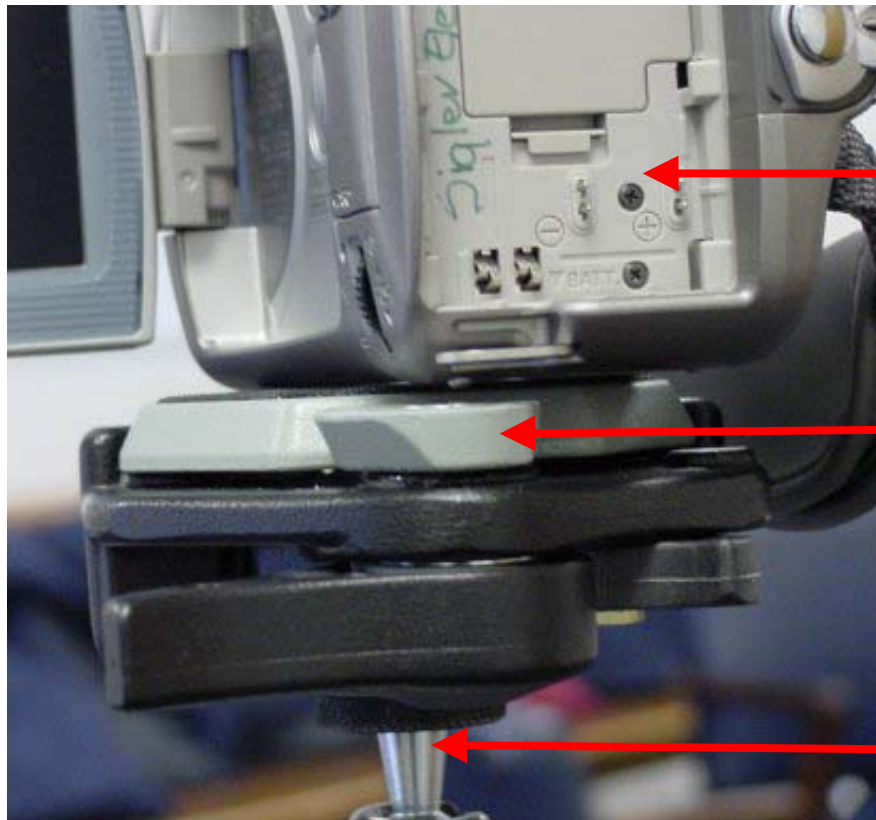
# Connecting the Video Camera

1. Attach the video camera to the fixed pedestal platform.



# Camera Pedestal

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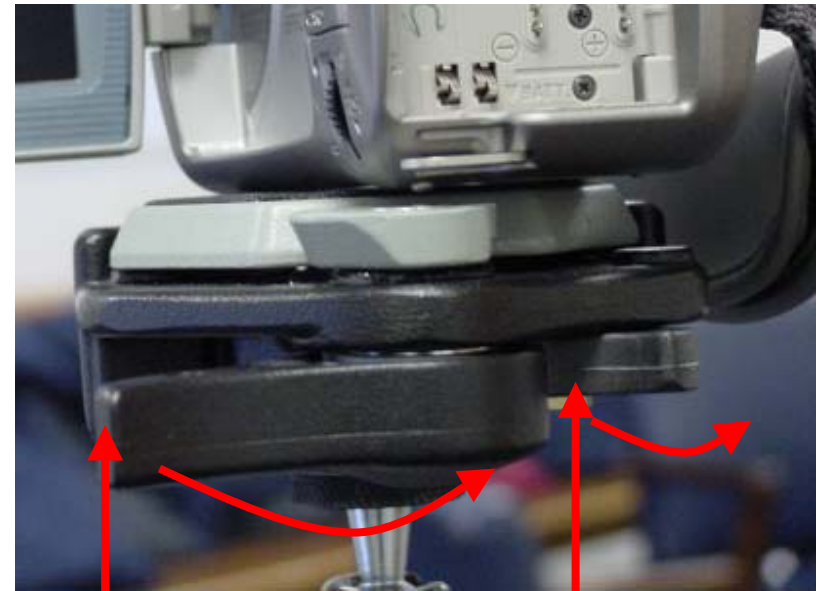
**Camera**

**Platform**

**Pedestal**

# NOTE

When disconnecting the MBC, leave the camera attached to the pedestal platform and unhook the platform from the pedestal. To do this, push the small lever and large lever forward until they lock in place. Then lift the camera and platform off the pedestal. To reattach, slide platform in and snap into place.



**Large  
Lever**

**Small  
Lever**



# Connecting the Video Camera

2. Connect the power cord to the camera and plug the adapter in on the rear panel of the cart.



# Connecting the Video Camera

3. Connect the RCA cable to the camera (yellow slot) and the cart (top ports next to the pedestal).



From camera: Red, White, Yellow

# Connecting the Microphone

1. Setup the microphone on the microphone stand.
2. Plug the microphone cable into the Microphone 1 port on the rear connector panel.



# Operating the MBC

1. Turn on main power switch on rear panel of cabinet (red light means it is on.)



# Operating the MBC

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2. Turn on 14" monitor.
  3. Turn on camera.
  4. Turn on the VCR.
- The VCR must be set to Auxiliary (using the remote).



**NOTE: Volume on TV needs to be turned down all the way to avoid feedback.**

# Operating the MBC

4. Select a video source on the Video Mixer Board. Positions A, B, C, D, are live.



A, B, C, and D correspond with ports 1, 2, 3, 4 on the rear connector panel.

A also corresponds with the camera ports on the top of the cart.

# NOTE

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When using the top ports for connection, the video 1/cam audio RCA connectors on the rear connector plate cannot be used. Similarly, if Video1/cam audio on the rear connector plate is used, the the camera connections next to the fixed pedestal cannot be used.

# Operating the MBC

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5. The 14" monitor shows LIVE video output





# Operating the MBC

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6. Set the Shure SCM268 audio mixer using gain control MIC1, MIC2, MIC3, Cam, Aux, Master. Audio will also be output to the cable system.



# NOTE

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Selection of the audio source gain controls should be set to proper levels without overloading. Observe LEDs on mixer (no more than 5 LEDs should come on).

# Broadcasting to the Building

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You are now ready to broadcast.

Turn on TVs in classrooms and set them to the campus channel. The campus channel can be found on the front of the MBC above the 14" monitor.

# Recording a Broadcast

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- ◆ Insert a blank tape.
- ◆ Press record when broadcast begins.



# Troubleshooting Tips

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- ◆ If power to any of the cabinet components does not come on after main power cord is connected and power switch is turned on, check each components power switch to make sure it is on.
- ◆ If still no power to cabinet components, check circuit breaker at rear panel, and A/C power source at room wall outlet.
- ◆ If no video or audio is present on the video monitor, be sure the switcher and audio mixer are set up correctly.

# Troubleshooting Tips

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- ◆ Make sure all connections are securely fastened.
- ◆ To check the cart, put a tape in the VCR and play it. This will override all inputs. If the tape DOES NOT play, there is a problem with the cart. If the tape plays the problem is elsewhere in the building.
- ◆ Isolate the fault by choosing only one camera/audio output to RF connector or VCR. If that works, verify the next source in line until fault is found.

# Troubleshooting Tips

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- ◆ Consult the operations manual for each system component to be sure no operational errors are being made.
- ◆ If you need assistance, contact your building Librarian or CTA.