

dTective™

Connecting Video and Audio to RackMount and Tower dTective Systems using Avid Mojo

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Page 8: S-Video Wiring Diagram

Pages 9 - 13: Connecting Composite Cables

Page 14: Composite Wiring Diagram

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You should have the following cables for video:



Three S-video Cables



Four Composite Cables



Five BNC to RCA converters

You should have the following cables for audio:



Three separate pairs of RCA Cables, and one
RCA to mini adapter

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Connecting Your Video Cables to the dTective System

Not sure what type of connections to use? Take a look at the images below:

The image below shows a typical S-Video deck. If your deck has this style of connectors, you need to follow the instructions for connecting **S-VIDEO**, as outlined starting on this page.



Use S-Video cables if your deck looks like the image above

The image below shows a typical consumer grade VCR with composite (RCA) style IN and OUT connectors. If your deck has this style of connectors, you need to follow the instructions for connecting **Composite Cables**, as outlined on page 9.



Use **composite** cables if your deck looks like the image above (see page 8)

Connecting an S-Video Deck to the dTective System

What you will need:



Three S-video Cables



One Composite Cable

Step 1: Connecting S-Video Cable to S-Video OUT on rear of deck (VCR)

Take one of your three S-Video cables and connect it to the S-Video OUTPUT port on the rear of your deck as shown below:



Step 2: Recognizing the TBC

The TBC is an external box designed to “lock down” poorly synced video. The image below shows the external TBC.



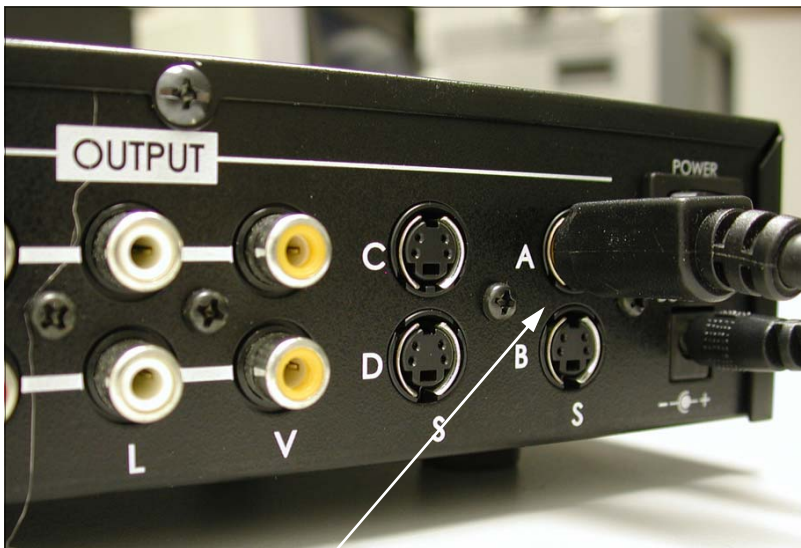
Step 3: Connecting S-Video cable to INPUT on TBC

Take the cable that you just connected to the rear of the deck and connect the other end of it to the S-Video INPUT on the front of the TBC (out from deck to TBC input).



Step 4: Connecting S-Video cable to OUTPUT on TBC

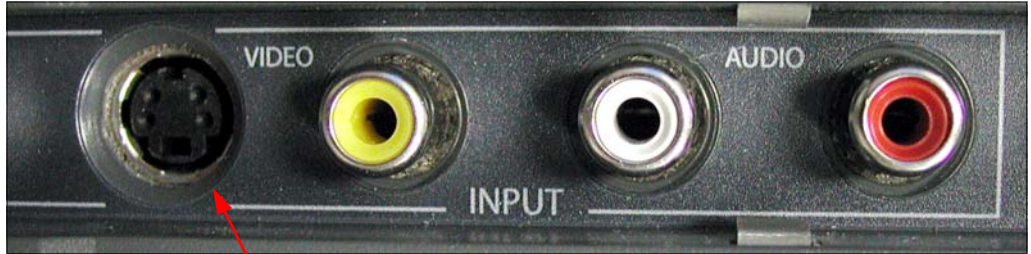
Take a second S-Video cable and connect it to any of the four S-Video outputs on the rear of the TBC



Connect S-Video to any of the four outputs

Step 5: Connecting S-Video cable to INPUT on the Break Out Box

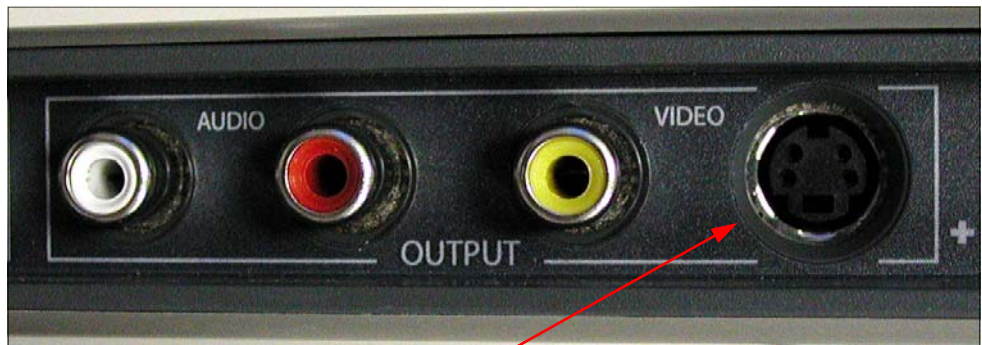
Take the cable that you just connected from the output of the TBC and connect the other end to the S-Video INPUT on the rear of Avid Mojo.



Connect S-Video cable from TBC OUT to S-Video IN on Mojo

Step 6: Connecting S-Video cable to INPUT on the deck

Take a third S-Video cable and connect it to the S-Video OUTPUT on the rear of Avid Mojo as shown below:



Connect S-Video cable to S-Video OUTPUT on Mojo

Take the other end of the cable running from the S-Video out on Avid Mojo and connect it to the S-Video INPUT on the deck.

Note: On Panasonic AG-1980 decks, it is recommended that you use the inputs on the front to eliminate any feedback you may encounter when digitizing.

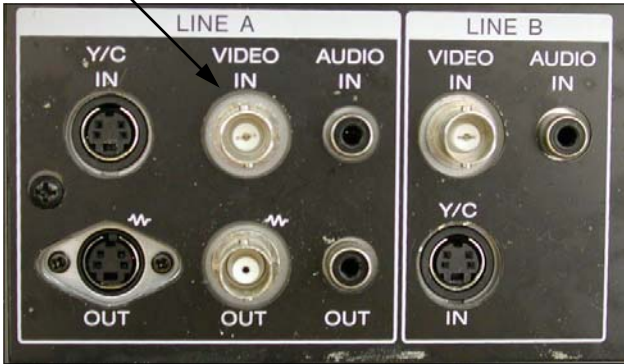


Connect S-Video cable from S-Video OUT on the BOB to S-Video IN on deck

Step 7: Connecting your NTSC Monitor (TV)

You need to determine if your television monitor uses a BNC connector or an RCA connector. Take a look at the images below to determine what you have. You will use either of these type of connectors, but not both.

BNC Input:



RCA Input:



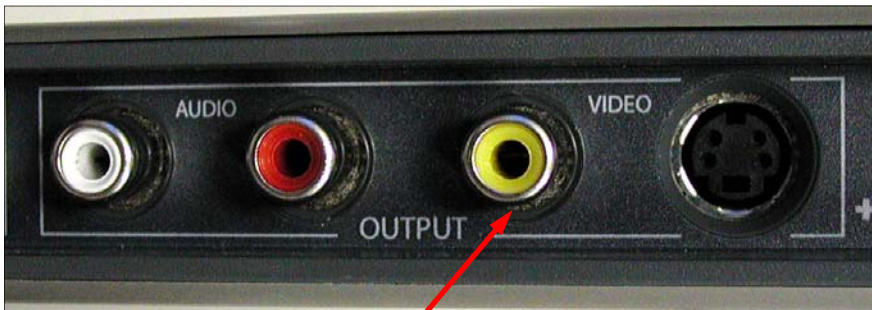
BNC Input on monitor - requires provided adapter:

If you are using a BNC input on your monitor, you will need to use the provided BNC to RCA adapter. The images below show how the adapter attaches:



The adapter will twist and lock into place

After determining which type of connector you will be using, connect your composite cable to the Composite Outputs on Mojo. If using a BNC type connector, use an RCA to BNC converter to plug into the Mojo.



Connect a composite cable to the composite OUT on Mojo.

Connect the other end of the cable from the composite out of Mojo to the Video IN on your NTSC monitor (TV) as shown below. The images below show connections for both BNC and RCA. Remember, you will connect either of the two connector styles (BNC or RCA), but not both.

BNC Input - connects to monitor from Mojo via RCA to BNC converter:



If using an RCA cable, connect the cable to the Video IN on your TV as shown below:

RCA Input - connects directly to monitor from Mojo via a composite RCA cable:



Note: You must tell Avid what signal to output. Go to Tools>Video Output Tool in Avid Xpress Pro to select either S-Video or Composite out.

Connecting S-Video Cables to the dTective System (Mojo)



-
- What You Will Need:**
- 
 S-Video Cables (3)
 - 
 Composite (BNC) Cable (1)
 - 
 BNC to RCA Converter (qty. 1)

Connecting a Composite VCR to the dTective System

What you will need:



Three Composite Cables



Six BNC to RCA converters

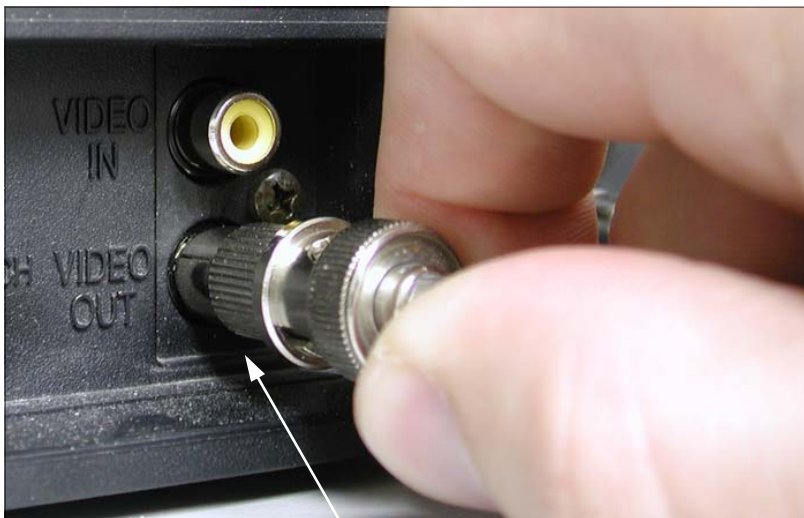
Step 1: Connecting Composite Cable to RCA OUT on rear of VCR

Take one of your four composite cables and connect it to the Video OUT port on the rear of your VCR.

You will need to use the provided BNC to RCA adapter. The images below show how the adapter connects:



The adapter will twist and lock into place



Connect the Composite cable (with converter) to Video Out on VCR

Step 2: Recognizing the TBC

The TBC is an external box designed to “lock down” poorly synced video. The image below shows the external TBC.



Step 3: Connecting Composite cable to INPUT on TBC

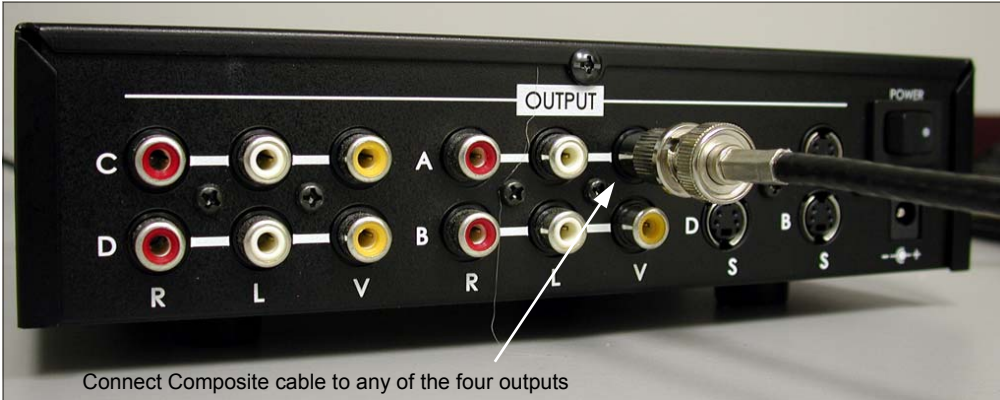
Take the cable that you just connected to the rear of the deck and connect the other end to the RCA INPUT on the front of the TBC (out from deck to TBC input).

Connect Cable from OUTPUT of VCR to INPUT on TBC:



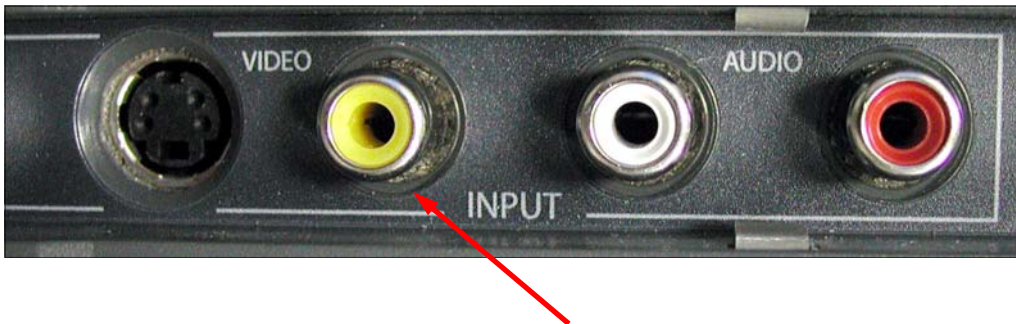
Step 4: Connecting a Composite cable to the OUTPUT on the TBC

Take a second Composite cable (with two BNC to RCA converters on either end) and connect it to any of the four RCA outputs on the rear of the TBC



Step 5: Connecting a Composite cable to the INPUT on Avid Mojo

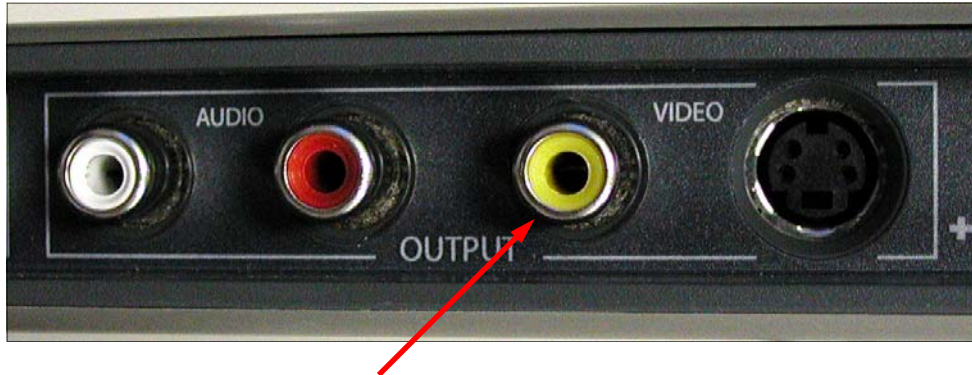
Take the cable that you just connected from the output of the TBC and connect the other end to the Composite INPUT on the rear of Avid Mojo.



Connect a Composite cable from TBC OUT to Composite IN on Avid Mojo

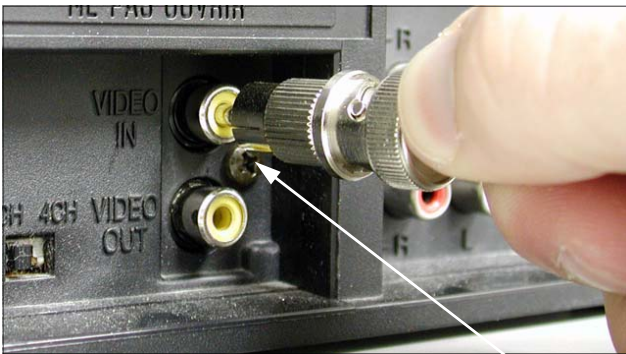
Step 6: Connecting Composite cable to INPUT on the VCR

Take a third composite cable (with two BNC to RCA converters on either end) and connect it to the Composite OUTPUT on the rear of Avid Mojo as shown below.



Connect a composite RCA cable (with adapter) to the composite OUTPUT on Mojo

Take the other end of the cable running from the composite OUTPUT on Avid Mojo and connect it to the Video INPUT on the deck.

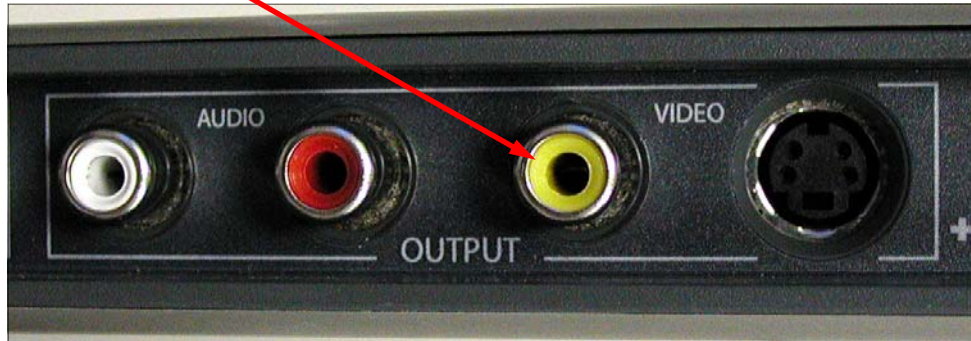


Connect composite cable (with converter) from composite OUTPUT on Avid Mojo to Video IN on the VCR

Note: connecting to a deck is optional when using composite cables. Mojo has only one composite output, so if you do not plan on connecting back to your deck but instead will use the composite output to connect to a television monitor, skip to Step 7.

Step 7: Connecting your NTSC Monitor (TV)

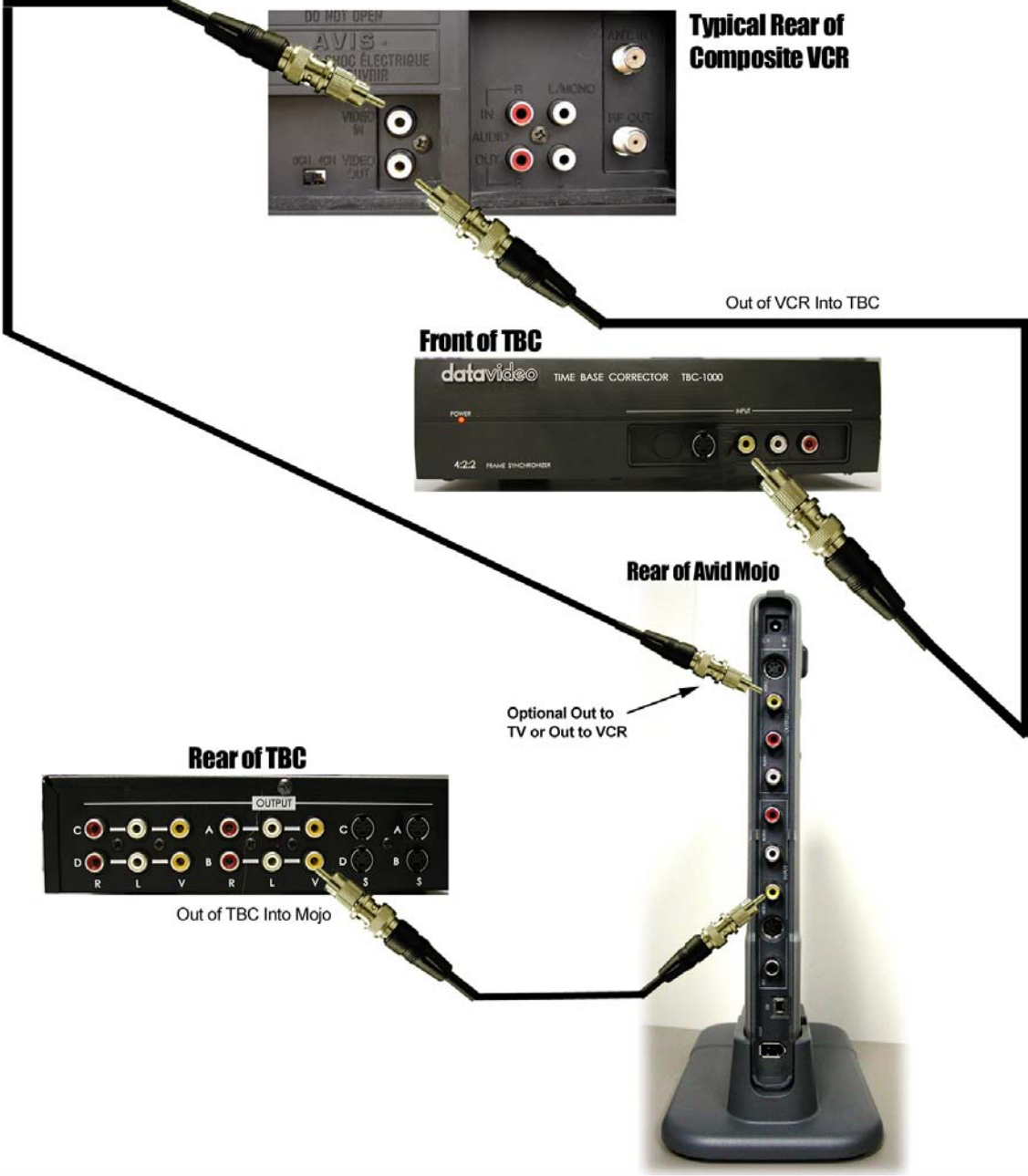
Connect a composite cable (with two RCA to BNC converters) to the Composite OUTPUT on Avid Mojo as shown below:



Connect the other end of the cable from the composite OUTPUT of Avid Mojo to the Video IN on your TV as shown below.



Connecting Composite Video Cables to the dTective System (Mojo)



What You Will Need:



Composite (BNC) Cable (qty. 3)



BNC to RCA Converter (qty. 6)

Connecting Your Audio Cables to the dTective System

Connecting Audio to the dTective System (Mojo)

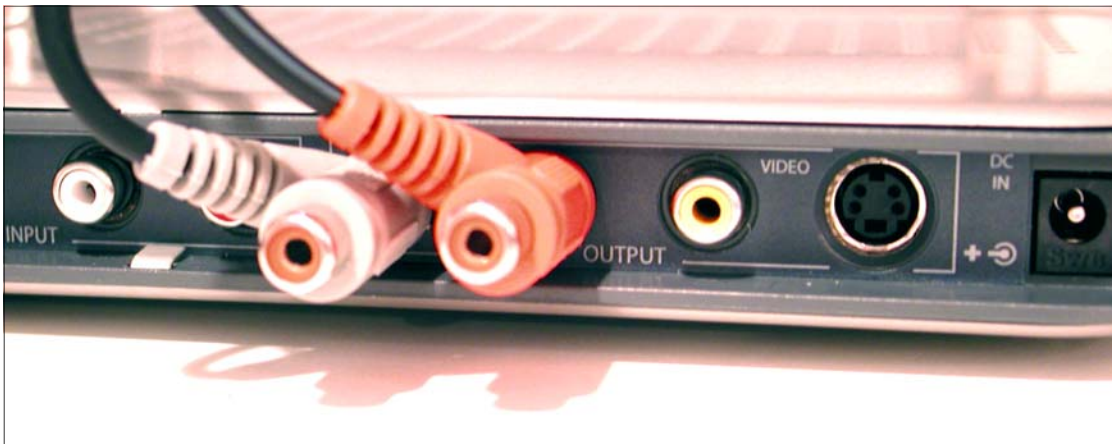
What you will need:



Three sets of RCA cables with one RCA to Mini adapter

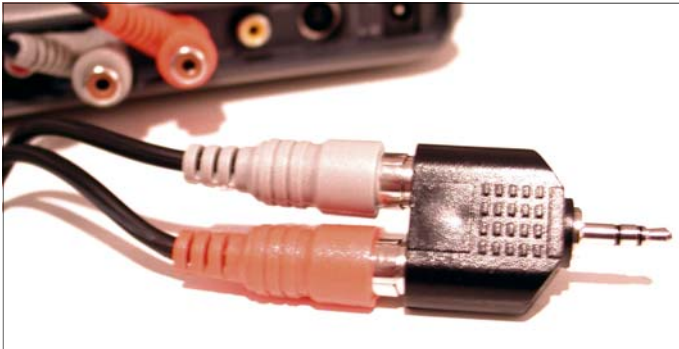
Step 1: Connecting the RCA cable to Mojo

Take one RCA cable and connect it to the Audio Output port on Mojo as shown below.



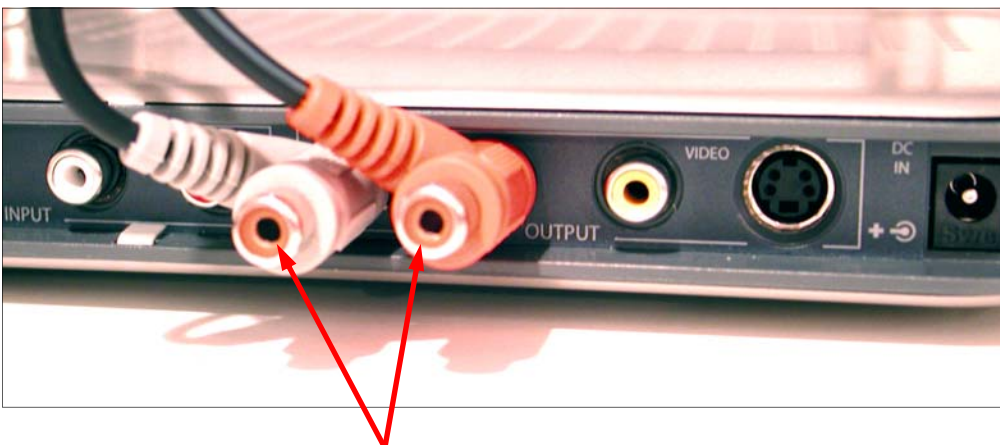
Step 2: Connect the RCA to mini adapter to the RCA cable

Connect the RCA to mini adapters to the Male RCA connections as shown below.



Step 3: Connect the second RCA Cable to the available RCA connections

Connect a second RCA cable to the available RCA connections shown below.



Connect a second RCA cable to the two available RCA connections

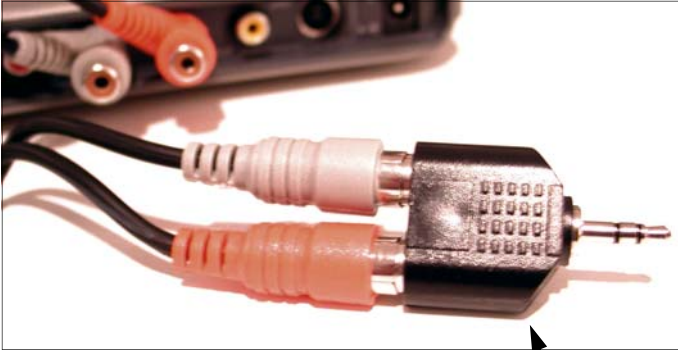
Step 4: Connect the RCA Cables to Audio IN on the VCR

Connect the second set of RCA cables to the port labeled Audio IN on your VCR as shown below.

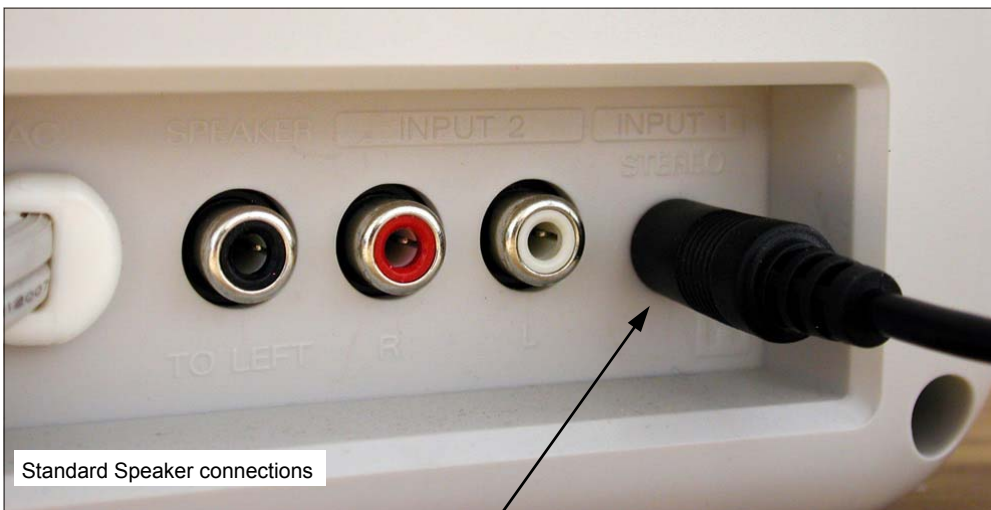


Step 5: Connect the RCA to Mini adapter to the Speakers

The RCA to mini adapter allows you to connect to your speakers. Connect the RCA to mini adapter to the input on your speakers.



Connect to speakers using this cable



Standard Speaker connections

Typical "mini" type input on a set of speakers

Step 6: Connect the third RCA cable to the Audio INPUT on Mojo

Use the third provided RCA cable to connect to the Audio INPUT on Mojo.

Connect RCA cables here:



Step 7: Connect the third RCA Cable to Audio Out on the Rear of the VCR

Connect the other end of the RCA cable from the Audio IN on Mojo to the Audio OUT on the VCR

