

dTective™

Connecting Video and Audio to the Luggable dTective System

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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:



One Speaker Tap



Two XLR Female to
RCA Female Converters



Two XLR Male to RCA
Female Converters



Two separate pairs of RCA
Cables

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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 8.



Use composite (RCA) cables if your deck looks like the image above

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 will be an internal “PC Card” style device. The TBC is designed to “lock down” poorly synced video. The image below shows the internal TBC.



Internal TBC, found on side of Luggable

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 to the S-Video INPUT on the TBC (out from deck to TBC input). The INPUT is the connector on the right.

Connect the S-Video cable from the OUTPUT of the deck and connect it to the INPUT of the TBC:



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

Take a second S-Video cable and connect it to the S OUT on the internal TBC (left side)



Connect S-Video to output (left side of TBC)

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 of it to the S-Video INPUT on the rear of the Avid Break Out Box.



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

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

Take a third S-Video cable and connect it to the S-Video OUT on the rear of the Break Out Box as shown below:



Connect S-Video cable to S-Video OUT Break Out Box

Take the other end of the cable running from the S-Video out on the Break Out Box 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. Be sure to select A2 as your channel on the front of the deck before putting anything back to tape.

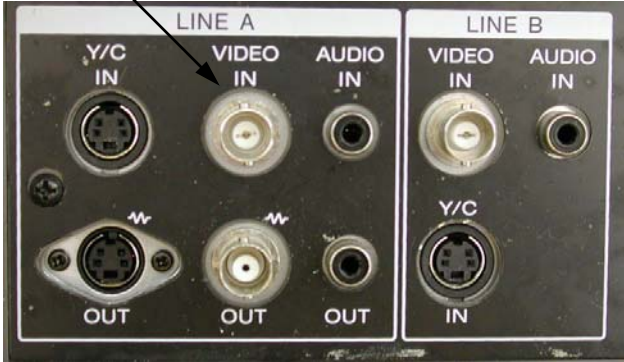


Connect S-Video cable from S-Video OUT on the BOB to S-Video IN on deck

Step 7: Connecting your NTSC Monitor (TV)

You need to determine if your 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:



After determining which type of connector you will be using, connect your composite BNC cable to any one of the three Composite Outputs on the Break Out Box as shown below:



Connect a composite BNC cable to the composite OUT on the Break Out

Connect the other end of the cable from the composite out of the Break Out Box 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 directly to monitor:



RCA Input - requires provided adapter:

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

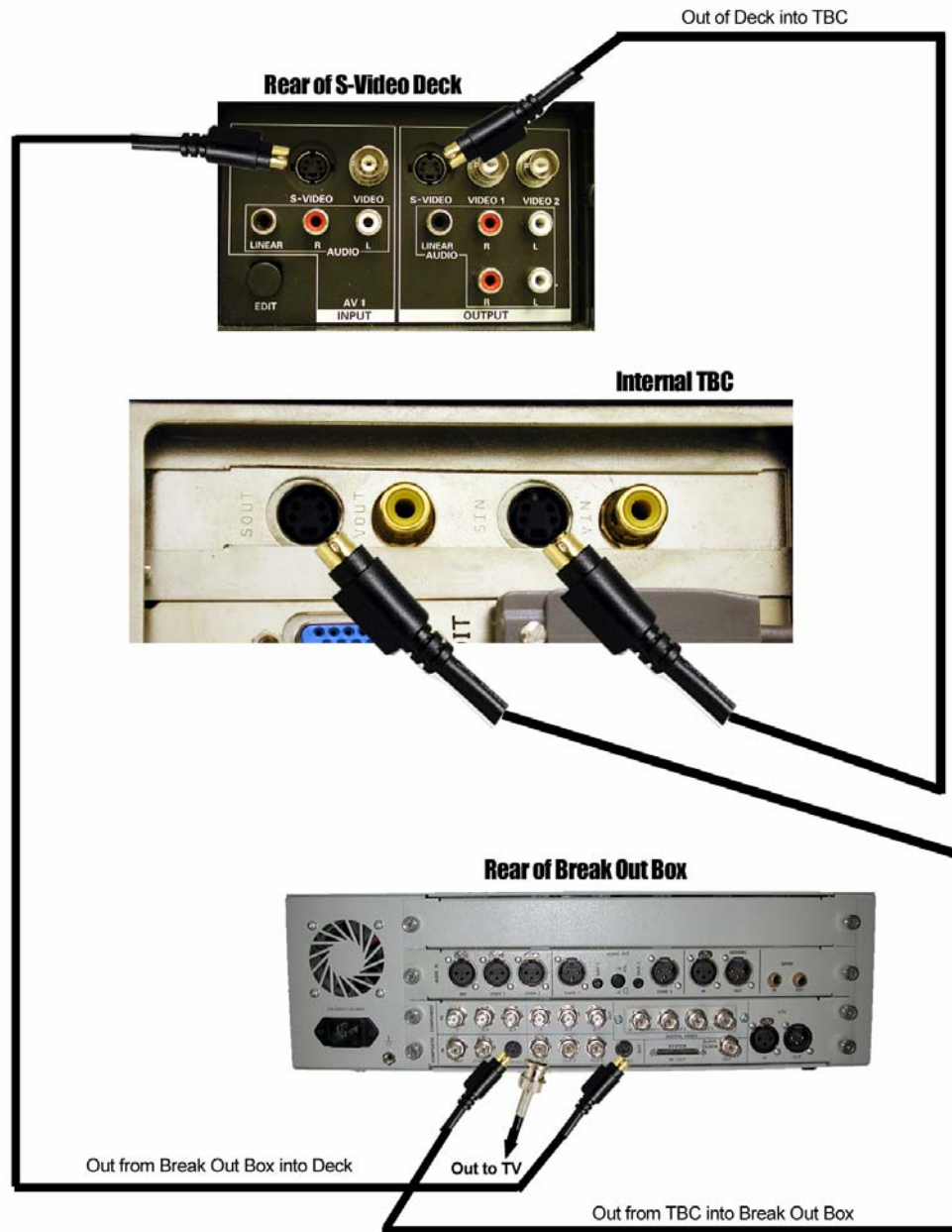


The adapter will twist and lock into place

Once the adapter has been properly fastened, connect the cable to the Video IN on your TV as shown below:



Connecting S-Video Cables to the Luggable dTective System



What You Will Need:



S-Video Cables (3) Composite (BNC) Cable (1)

Connecting a Composite VCR to the dTective System

What you will need:



Four Composite Cables



Five BNC to RCA converters

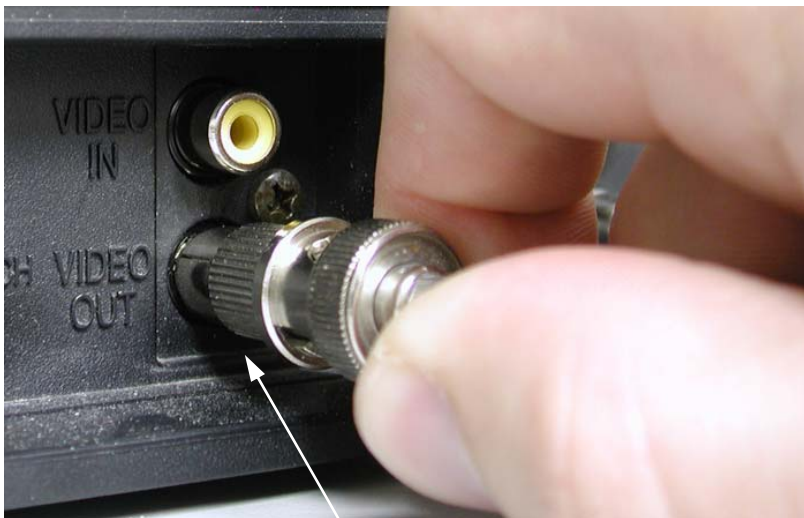
Step 1: Connecting Composite Cable to RCA OUT on rear of VCR

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 will be an internal “PC Card” style device. The TBC is designed to “lock down” poorly synced video. The image below shows the internal TBC.



Internal TBC, found on side of Luggable

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 V INPUT on the TBC (out from deck to TBC input). The INPUT is the connector on the right.

Connect the composite cable from the OUTPUT of the deck and connect it to the INPUT of the TBC:



Step 4: Connecting Composite cable to OUTPUT on TBC

Luggable: Take a second Composite cable (with provided converter) and connect it to the V OUT on the internal TBC (left side)



Connect composite cable to V OUT (left side)

Step 5: Connecting Composite cable to INPUT on the Break Out Box

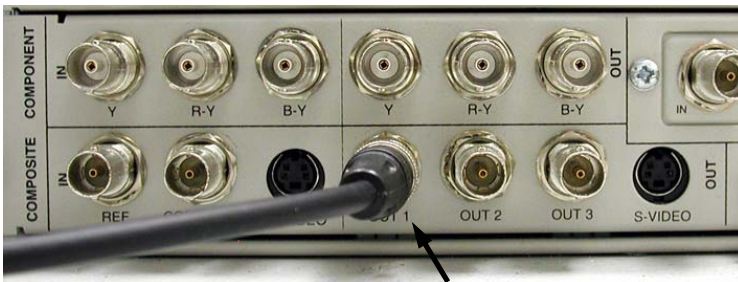
Take the cable that you just connected from the output of the TBC and connect the other end of it to the Composite INPUT on the rear of the Avid Break Out Box (connects directly with no adapter).



Connect a Composite cable from TBC OUT to Composite IN on Break Out Box

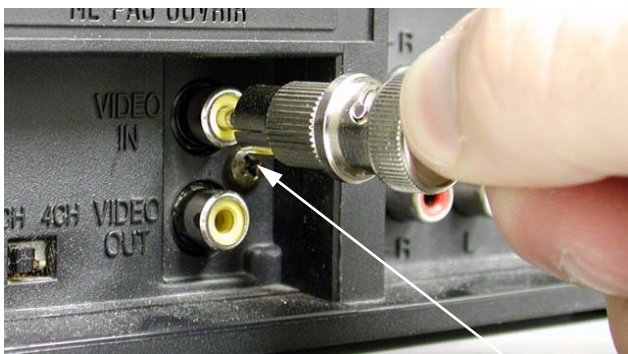
Step 6: Connecting Composite cable to INPUT on the VCR

Take a third composite cable (with one converter) and connect it to the Composite OUT 1 on the rear of the Break Out Box as shown below (no converter needed to connect to Break Out Box):



Connect a composite BNC cable to the composite OUT on the Break Out

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



Connect composite cable (with converter on this end) from composite OUT 1 on the BOB to Video IN on the VCR

Step 7: Connecting your NTSC Monitor (TV)

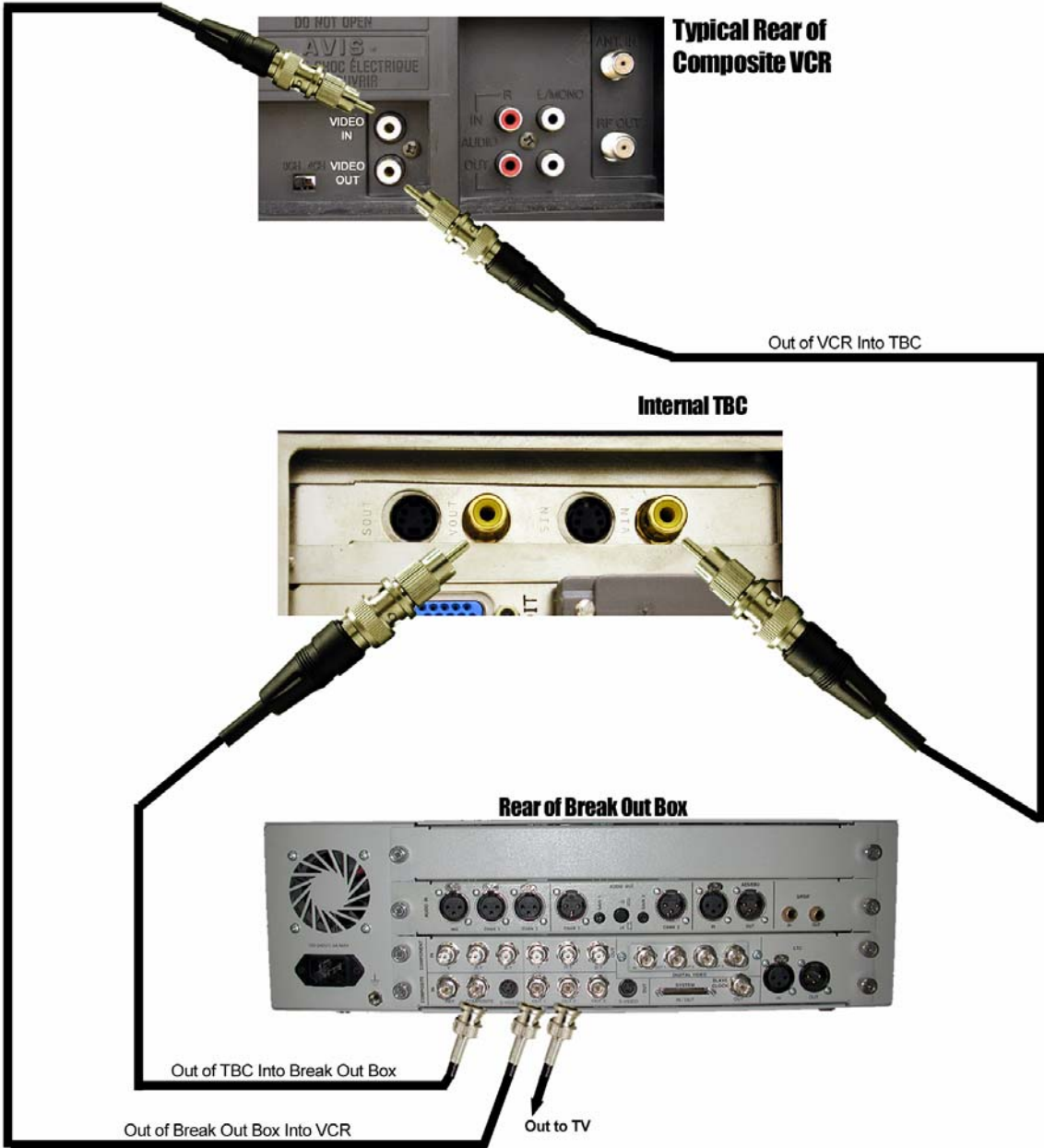
Connect a fourth composite cable (with one converter) to Composite Output 2 on the Break Out Box as shown below:



Connect the other end of the cable from the composite out of the Break Out Box to the Video IN on your TV as shown below (use converter on this end).



Connecting Composite Video Cables to the Luggable dTective System



What You Will Need:



Composite (BNC) Cable (qty. 4)



BNC to RCA Converter (qty. 5)

Connecting Your Audio Cables to the dTective System

Connecting Audio to the dTective System

What you will need:



“Speaker Tap”



Two separate pairs of RCA Cables



Female XLR to Female RCA Converters



Male XLR to Female RCA Converters

Step 1: Connecting the Speaker Tap to the Break Out Box

Take the female end of the Speaker Tap and connect it to the Audio Out port on the Break Out Box as shown below.



Step 2: Connect the XLR to RCA Converters to the Speaker Tap

Connect the XLR to RCA Converters to the Male XLR connections on the Speaker Tap as shown below.



Step 3: Connect the RCA Cable to Converters

Connect the RCA cable to the XLR converters on the Speaker Tap as shown below.



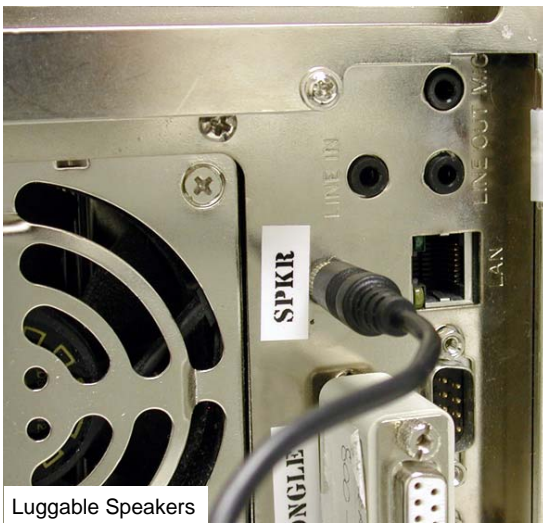
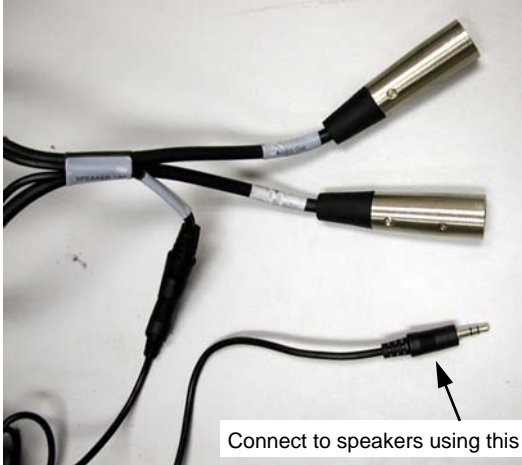
Step 4: Connect the RCA Cables to Audio IN on the VCR

Connect the RCA cables from the Speaker Tap to the port labeled Audio IN on your VCR as shown below.



Step 5: Connect the Mini Cable from the Speaker Tap to the Speakers

The Speaker Tap allows you to connect to your VCR as well as your speakers. Using the smaller "mini" cable, connect to the IN on your speakers. To connect audio to the Luggable's, speakers, use the small mini port labeled "SPKR" on the left side of the Luggable.



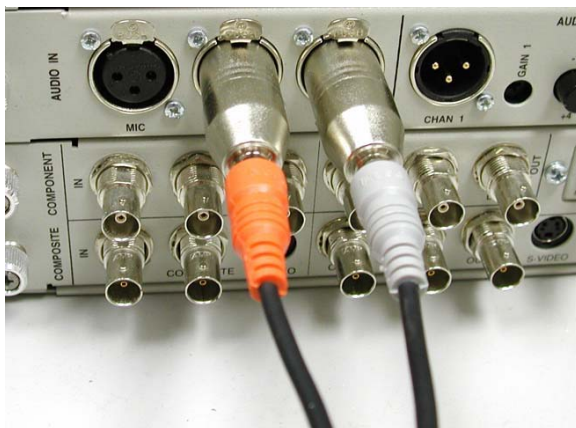
Step 6: Connect the Male XLR to RCA converter to the Audio IN on the Break Out Box

Use the provided XLR male to RCA female converters to connect to the Audio IN on the Break Out Box as shown below



Step 7: Connect the RCA Cable to Converters

Connect the RCA cable to the XLR converters on the Break Out Box as shown below.



Step 8: Connect the RCA Cable to Audio Out on the Rear of the VCR

Connect the other end of the RCA cables from the Audio IN on the Break Out Box to the Audio OUT on the VCR

