

# WINEGARD®

## ENTERTAINMENT SELECT

### VIDEO DISTRIBUTION SWITCH

MODEL VS-0604/VS-6412 6 Inputs/4 Outputs



## OPERATION

After the connections have been properly made to the video distribution switch, you are ready to watch your favorite programming.

## USING BUTTONS ON THE FRONT OF THE VIDEO DISTRIBUTION SWITCH

### VIEWING

**STEP 1.** To view signals from an amplified TV Antenna, first press the TV antenna POWER button to the ON position. This provides +12 volt power to the TV antenna amplifier located inside the antenna housing. To view the TV antenna signal on the main TV, simply press the TV ANT button located above the area marked "MAIN TV." Follow the same procedure for TV 2 and Exterior TV.

**NOTE:** The picture quality from your outdoor TV antenna varies depending on the location of the off-air TV station in relationship to your location. If picture quality is degraded, try turning TV antenna Power button on your video distribution switch Off and On.

**NOTE:** It is not necessary to press the TV antenna Power button for +12 volt power to the 10 dB amplifier inside the video distribution switch. After the unit is connected to a +12 volt power source, the video distribution switch automatically provides power to the internal 10 dB amplifier.

**STEP 2.** To view Satellite signals on your main TV, press the SAT button above the area marked "Main TV." Follow the same procedure for TV 2 and Exterior TV.

**STEP 3.** To view Cable TV signals on your main TV, press the Cable TV button above the area marked "Main TV." Follow the same procedure for TV 2 and Exterior TV.

**NOTE:** To view Cable TV signals, you must be connected to a Cable TV input on the outside of your vehicle. Cable TV inputs are available at many of today's campgrounds.

**STEP 4.** To view VCR signals on your main TV, press the VCR button above the area marked "Main TV." Follow the same procedure for TV 2 and Exterior TV.

**STEP 5.** To view Auxiliary signals, such as games, camcorder, etc., on your main TV, press the AUX button above the area marked "Main TV." Follow the same procedure for TV 2 and Exterior TV.

**STEP 6.** To view DVD signals on your Main TV, press the DVD button above the area marked "Main TV". Follow the same procedure for TV 2 and Exterior TV.

**NOTE:** When viewing DVD signals at the three TV set locations using standard 75 ohm coaxial cable, it is necessary to turn the TV set to channel 3 or 4 and depress the DVD modulator button on the front of the video distribution switch to the appropriate channel 3 or channel 4 setting. If you are in an area with local broadcasting on channel 3, select channel 4 to view DVD signals. You will have better picture quality and less co-channel interference. When distributing DVD signals using standard 75 ohm coax cable, the 1K/75 ohm slide switch located on the back of the video distribution switch should be moved to the 75 ohm position.

### RECORDING

**STEP 7.** To record programming from the Antenna, Satellite Antenna, Cable TV or Auxiliary, simply press the appropriate button above the section marked VCR.

To record programming from the TV antenna to your VCR, press the TV ANT button above the VCR section on the video distribution switch.

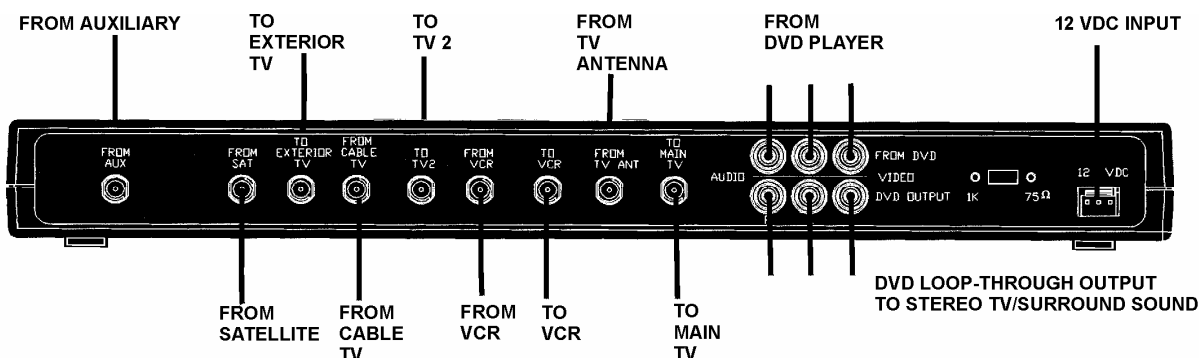
To record programming from the Satellite antenna to your VCR, press the SAT button above the VCR section on the video distribution switch.

To record programming from Auxiliary device to your VCR, press the AUX button above the VCR section on the video distribution switch.

To record programming from Cable TV to VCR, press Cable TV button above VCR section on video distribution switch.

**NOTE: To record Cable TV signals, you must be connected to a Cable TV input on the outside of your vehicle. Cable TV inputs are available at many campgrounds.**

**NOTE:** With Winegard's video distribution switch, watch different programming on each of three TV sets while recording another program on VCR. If your vehicle is NOT equipped with an Exterior TV set, you may use the programming buttons above the exterior TV for any third TV set location when properly connected.



## COAX & AUDIO/VIDEO CABLE CONNECTIONS

**STEP 1.** Connect the coax cable from the output on the video distribution switch marked "To Main TV" to the antenna input connection on the back of the main TV.

**STEP 2.** Connect the coax cable from the output on the video distribution switch marked "To TV 2" to the antenna input connection on the back of the second TV.

**STEP 3.** Connect the coax cable from the output of video distribution switch marked "To Exterior TV" to the antenna input connection on back of the Exterior (or third) TV.

**STEP 4.** Connect the coax cable from the output on the video distribution switch marked "To VCR" to the input connection on the back of the VCR.

**STEP 5.** Connect the coax cable from the output of the VCR to the coax connection on the back of the video distribution switch marked "From VCR."

**STEP 6.** Connect the coax cable from the exterior Cable TV input plate to the to the coax connection on the video distribution switch marked "From Cable TV."

**STEP 7.** The output of the auxiliary device (TV game, camcorder, etc.) can be connected to the coax connector on the back of the video distribution switch marked "FROM AUX."

**STEP 8.** Connect the coax cable from the output of the satellite receiver marked "TO TV" to the input connection on the back of the video distribution switch marked "From Sat."

**NOTE: The coax cable from the satellite antenna must go directly to the input of the satellite receiver marked "Satellite In."**

**STEP 9.** Connect the Audio/Video cables with RCA jacks from the output of the DVD player to the input connection on back of the video distribution switch marked "From DVD". Be sure the three color coded jacks are attached to correct inputs and outputs (Audio Right = Red, Audio Left = White, Video = Yellow).

**STEP 10.** If you are hooking up to stereo TV or surround sound system that has RCA input jacks, you can connect Audio/Video cables from the output on the video distribution switch marked "DVD Output" to the Audio/Video input jacks on the stereo TV or surround sound system. Be sure the three color coded jacks are attached correctly (Audio Right = Red, Audio Left = White, Video = Yellow).

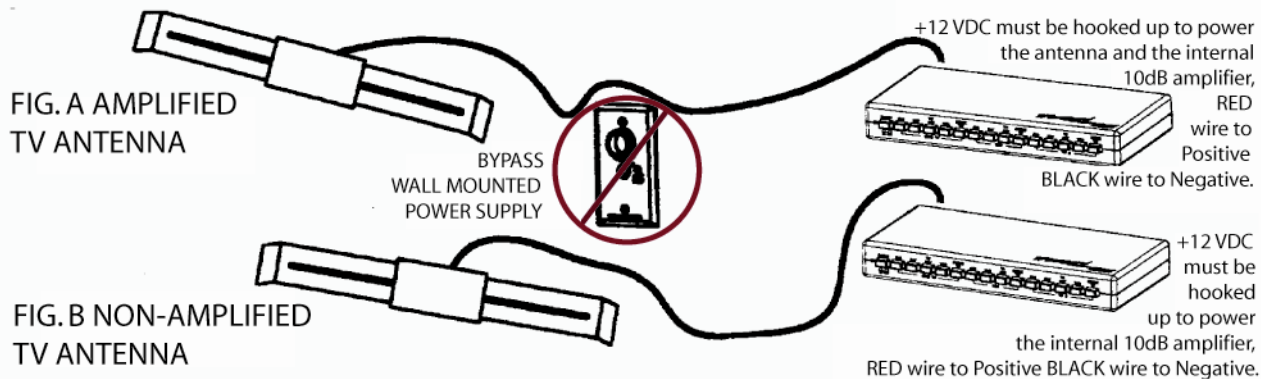
**NOTE:** When connecting to a stereo TV or surround sound system using audio/video cables, be sure the 1K/75 ohm slide switch on the back of the video distribution switch is moved to the 1K position. This will enhance the picture quality when using the DVD player.

Also note the VS-0604/VS-6412 includes a built-in channel 3 or 4 modulator. This modulator allows DVD signals to be distributed to all three TV set locations over standard 75 coaxial cable. When not using audio/video cables, the 1K/75 ohm slide switch should be moved to the 75 ohm position.

**STEP 11.** Connect the coax cable from the TV antenna to the coax connection on the back of the video distribution switch marked "From TV Ant."

## POWER CONNECTIONS

**NOTE:** When hooking up an amplified TV antenna, it is necessary to **BYPASS** the existing wall-mounted power supply, see Figure A. When connecting a non-amplified TV antenna, see Figure B. If you are not sure the TV antenna is amplified or non-amplified, contact the manufacturer or your local dealer.



### Figure A. (CONNECTING AN AMPLIFIED TV ANTENNA AND BYPASSING THE WALL MOUNTED POWER SUPPLY)

When using a Winegard or other brand of VHF/UHF "Amplified Antenna" with power supply, you must bypass the wall-mounted power supply. The coax cable from the output of the TV antenna which is connected to the input of the power supply must be disconnected from the back of the power supply (located inside the wall) and connected to the input on the back of the video distribution switch marked "From TV Ant". Use Winegard's FS-8100 in-line cable splice to attach an additional piece of coax cable from the coax cable output from the TV antenna to the coax cable input on the back of the video distribution switch marked "From TV Ant". Or you may disconnect the entire wall-mounted power supply and replace it with Winegard's OT-8700 wall plate, attaching the coax cable output from the TV antenna to the back of the OT-8700 wall plate. An additional piece of coax cable can then be run from the front of the OT-8700 wall plate to the input on the back of the video distribution switch marked "From TV Ant". Hook up the +12 VDC power to the back of the OT-8700 wall plate using the 5 foot 12 volt cable with locking connector supplied with the video distribution switch. If the cable has not been provided, order Winegard's PT-0050 5 foot 12 volt cable with locking connector. Be sure the RED wire is hooked to POSITIVE and the BLACK wire to NEGATIVE. The red Power Indicator LED on the front of the video distribution switch will only light when the power button is on. **Note:** The TV antenna Power button must be pressed to the ON position to provide 12 volt power to the **TV antenna amplifier**.

### Figure B. (CONNECTING A NON-AMPLIFIED TV ANTENNA)

When using Winegard or other brand of VHF/UHF "Non-Amplified Antenna" the coax cable from the output of the TV Antenna should be connected to the input on the back of the video distribution switch marked "From TV Ant". You must also hook up the +12 VDC power to the back of the video distribution switch using the 5 foot 12 volt cable with locking connector supplied with the video distribution switch. If the cable has not been provided, order Winegard's PT-0050 5 foot 12 volt cable with locking connector. Be sure the RED wire is hooked to POSITIVE and the BLACK wire to NEGATIVE. The red Power Indicator LED on the front of the video distribution switch will only light when the power button is on. **Note:** The TV antenna Power button does not need to be pressed to the ON position to provide 12 volt power to the internal 10 dB amplifier inside the video distribution switch for **non-amplified TV antenna**.

## TROUBLESHOOTING

If the unit doesn't switch properly between inputs, (TVs, VCR, AUXILIARY, DVD etc.), be sure the coax is connected to the proper jacks on the back of the video distribution switch. Make sure the center conductors of the coax cables are not bent and are making good contact. See "Installing Coax Connectors".

When using audio/video cables to connect the DVD player, make sure the color-coded jacks are attached to the proper DVD inputs and outputs (Audio Right = Red, Audio Left = White, Video = Yellow). Be sure the RCA jacks are attached securely to the correct input and output connections.

If you are experiencing interference with the DVD signal, try switching the TV set and DVD modulator button to the other channel. Example: Switch from Channel 3 to channel 4 or vice versa. If there is a local off-air TV channel broadcasting on Channel 3 or channel 4 in the area, it may be causing interference.

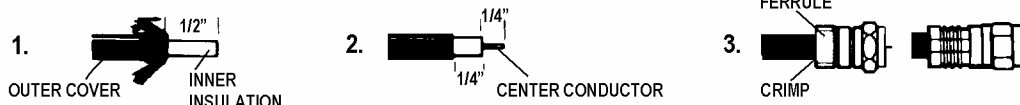
If you have poor picture quality when using your DVD player, be sure the 1K/75 ohm slide video distribution switch on the back of the video distribution switch is moved to the proper setting. If running audio/video cables to a stereo TV or surround sound system, the 1K/75 ohm slide switch should be moved to the 1K position. If using standard coax cables to distribute DVD signals to your three TV set locations, be sure the 1K/75 ohm slide switch is moved to the 75 ohm position.

If you are using the +12 VDC and the indicator light does not turn ON when pushing the power button, go through the following steps.

1. Be sure the unit is wired into a +12 VDC source and that this source is supplying power to the plug going to the video distribution switch. Check to make sure all connections are correct.
2. If power is being supplied to the video distribution switch and the light still does not go on when pushing the Power button, disconnect the coax from the jack labeled "From Antenna" on the back of the video distribution switch. If the light now comes on, there is a short in your coax cable going to the outside antenna, or the amplifier in your antenna is bad.
3. Reattach the coax cable to the back of the video distribution switch. Disconnect it at the TV antenna. If the light comes on, the coax cable is connected properly and the problem is in the antenna. If the light does not come on, the problem is in the coax cable.

**NOTE:** The picture quality from your outdoor TV antenna varies depending on the location of the TV station in relationship to your location. If picture quality is degraded, try turning the Power button on your video distribution switch Off. Occasionally, if you are close to the TV transmitting tower, you will receive a better picture with the Power turned Off.

## INSTALLING COAX CONNECTORS



1. Strip outer cover back 1/2" from end of cable. Fray braid back as far as outer cover will allow.
2. Trim braid close to outer cover and remove 1/4" of inner insulation. **Be careful not to nick center conductor and make sure no foil or braid can touch center conductor.**
3. Slide connector tip between braid and inner insulation (braid and foil, on foil shield cable), and push connector on cable as far as it will go. Crimp built-in ferrule with appropriate crimping tool. **Do not crush cable out-of-round.** (If you are installing in very hot weather, increase these dimensions 1/8").

### WINEGARD MOBILE PRODUCTS LIMITED WARRANTY (2 YEARS PARTS; 1 YEAR LABOR)

Winegard Company warrants this Winegard product against defects in materials or workmanship for a period of two (2) years from date of original purchase. During year one (1) of such warranty, Winegard Company will also pay authorized labor costs to an authorized Winegard dealer to repair or replace defective products. No warranty claim will be honored unless at the time the claim is made, Customer presents proof of purchase to an authorized Winegard dealer, (to locate the nearest authorized Winegard dealer, contact Winegard Company, 3000 Kirkwood Street, Burlington, IA 52601, Telephone 319-754-0600 or visit [www.winegard.com](http://www.winegard.com). Customer must provide proof of purchase with a dated sales receipt for the Winegard product to verify the product is under warranty. If the date of purchase cannot be verified, the warranty period shall be considered to begin thirty (30) days after the date of manufacture.

If a defect in material or workmanship is discovered, Customer may take the product to an authorized Winegard dealer for service. Customer must provide proof of purchase to verify the product is under warranty. If the product is brought to an authorized Winegard dealer for service prior to expiration of year one (1) of the warranty period and a defect in material or workmanship is verified by Winegard Technical Services, Winegard Company will cover the Winegard dealer's labor charges for warranty service. The Winegard dealer must contact Winegard Technical Services in advance for pre-approval of the service. Approval of the service is at the sole discretion of Winegard Company.

Alternatively, Customer may ship the product prepaid to Winegard Technical Services (located at 3000 Kirkwood Street, Burlington, Iowa 52601, Telephone 319-754-0660). Customer must return the product along with a brief description of the problem and provide Winegard Technical Services with Customer's name, address, and phone number. Customer must also provide proof of purchase to verify the product is under warranty. If the product is returned before the expiration of the warranty period, Winegard Company will (at its option) either repair or replace the product.

This Limited Warranty does not apply if the product has been damaged, deteriorates, malfunctions or fails from: improper installation, misuse, abuse, neglect, accident, tampering, modification of the product as originally manufactured by Winegard in any manner whatsoever, removing or defacing any serial number, usage not in accordance with product instructions or acts of nature such as damage caused by wind, lightning, ice or corrosive environments such as salt spray and acid rain.

### RETURN AUTHORIZATION POLICY

A Return Material Authorization (RMA) is required prior to returning any product to Winegard Company or Winegard Warranty Services under this warranty policy. Please call our Technical Services Department at (800) 788-4417 or send an email to [warranty@winegard.com](mailto:warranty@winegard.com) to obtain the RMA number. Please furnish the date of purchase when requesting an RMA number. Enclose the product in a prepaid package and write the RMA number in large, clear letters on the outside of the package. To avoid confusion or misunderstanding, a shipment(s) without an RMA number(s) or an unauthorized return(s) will be refused and returned to Customer freight collect.

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In states that do not allow limitations on implied warranties, or the exclusion of limitation of incidental or consequential damages, the above limitations or exclusions do not apply.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion of limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives Customer specific legal rights. Customer may also have other rights that may vary from state to state.

SATELLITE RECEIVER WARRANTY  
See manufacturer's limited warranty policy.