

# Panasonic DVC Pro 410 QuickSheet

## FRONT SIDE:

**VTR** Keep on STBY. SAVE protects the tape/tape drum and saves power.

### **Gain**

When the picture is too dark and the iris is maxed out, increase the gain to brighten the picture. It also increases the amount of noise seen. The amount of gain is adjustable in the menu. Defaults are 0/9/18 db.

### **WHITE BAL**

A or B allows you to set the white balance manually.  
PRST is a default indoor setting.

**Output** CAM shows the camera picture. BARS displays - you guessed it – color bars.

### **Off / On / On (Auto Knee)**

Off/On: If this is unclear, stop and take the BTV class over again.

Auto Knee is useful for shooting people against a high-brightness background. This function will reproduce the background clearly. Examples: shooting people in the shade under a clear sky, shooting people in a car or indoors with outside scenery visible through a window.

**Monitor** The volume control for the headphones.

**Full Auto** Iris and white balance are automatically adjusted.

### **Auto Iris Mode**

BACK L makes a back-lit subject brighter, STD is normal, SPOT L is for shooting a spot-lit subject.

**Mode Check** Push to get a viewfinder display of all current settings.

### **Filter Wheel**

1: 3200 (Indoor), 2: 5600K + 1/8 ND (outdoors) 3: 5600 K (Outdoor, overcast/even light)  
4: 5600K + 1/64 ND (Outdoor, bright light). ND= Neutral Density filter, essentially "sunglasses" or a darkening filter for outside. Used to control bright lighting or for depth of field staged shooting.

**Scene File** six files with skin tones, detail, and other processes pre-tweaked for these scenarios:

USER/STD – “factory” neutral defaults

F1: FLUO, indoor with fluorescent

F2: SPARKLING, character study and lively subject desired

F3: COOL, outdoor shooting and get a overall bluish tinge

F4: RETRO, overall reddish images for atmosphere of good old days (their description)

**Audio Select** Control audio record volume either automatically or manually.

**Rear Mic Power** Can provide phantom power to mics

**Audio In** FRONT is the on-board cam mic, REAR refers to the back of camera inputs  
MIC (top) sends the camera mic to CH 1 or 2, MIC (middle) is for mic sources plugged into the back, LINE records a line level plugged in to the back.

### **Time Code Menu**

Where you can reset the Time Code for your tape. To Do So:

1. Make sure the Counter/TC/UB switch is set to TC
2. Put TCG switch to SET
3. Push the RESET button. Time code is now reset to 0:00:00
4. Put TCG switch back to R-Run

To Regenerate previous Time Code on tape:

1. Rewind the tape approximately 6-10 seconds.
2. When you record, the numbers should pick up continuous time code.

SO...since regenerating time code is important, roll 15 seconds of bars at the end of shooting to allow for rewind and overlap space.

## **BACK**

**Phones**           Where earphones go.  
**Video Out**       composite video jack for a monitor  
**Battery Plate**   underside has On/Off switch; Off is manual control for sun gun, On turns the sun gun on and off whenever the camera is recording.

## **Front Face**

**T-W**     Zoom controls, Tight-Wide.  
**M-A**     Iris Controls, Manual or Automatic  
**VTR**     Thumb trigger for recording  
**VTR Start**     Trigger for recording  
**Viewfinder Eyepiece**   push back the button and twist to align white dots for removal.

**AWB**    To manual white balance: VF will show "Active" and then "OK" when done.  
**Shutter**       Set to Off/On/Select. When On, press down to toggle between speeds. A useful function for shooting fast moving objects clearly. For shooting computer screens with different scan rates, use the **Synchro Scan** to minimize horizontal striping. Hold down the shutter switch from On to Sel and then rotate the menu wheel (next to Auto WB button) to adjust.

## **Viewfinder Menu**

**Center:**       Displays total tape time (126 minutes usually)  
**Right:**       Iris setting (from CLOSE through F-stops of smaller numbers to OPEN for max light)  
**Lower Right**   Voltage indicator for battery power  
**Lower Left:**   Audio levels

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## **Wireless Mics**

1. The on/off switch is a bit tricky, requiring a hold-press. They can easily be left on by accident. They require 9-volt batteries, Extras are in all the kits.
2. There is a Mute button on the receiver, flip it down to Mute. An audio indicator on the LED displays audio level.
3. Watch out for the mini-to-XLR cable that attaches to the receiver. It tends to walk away..
4. There is a round volume control on the receiver (transmitter?). Make sure it's turned up.
5. Make sure there are Male-Male XLR adapters to plug the wireless mics into the back of the camera.

## **Misc**

The plan with each DVC Pro camera is to have a grab & go, fully ready video kit.  
Each kit has: Camera / headphones / wireless mic / DC Power / Line to mic adapter / sun gun / cleaning kit / this training guide

To keep equipment checkout at a minimum, extra gear (gaffer tape, adapters, etc) are not in kits.

410 specs: resolution of about 80 lines. Features a 1/2" CCD.