

Please read all the instructions before downloading RadarW © software!

RadarW is the successor to Sony's LANC Jig. It is a Windows based program as opposed to the DOS based LANC Jig. Much of the functionality of the LANC is incorporated into RadarW. Features include: EVR Data Handling (upload/download), Auto Adjustments, Button Key check, and Emergency Code readout. Future versions will support additional functions such as Built In Self Testing (BIST). RadarW hardware interface is currently supplied with a 7 pin external connector for this purpose (currently available from KC Parts Center, part # J-6082-429-A for Interface and LANC cable. LANC Cable P/N is J-6082-404-A).

What's New in Version 2.1

- All known bugs have been fixed
- Print capability added to print camera data
- Program "remembers" user's settings for Model and LPT port number & address
- Data Handling screen improved for convenience
- Communication between camera and PC has been improved
- Adjustment screen now includes Page Initialization
- Diagnosis screen now includes text explanation for EMG Errors for most models.

The software consists of two parts:

(1) Main Program

(2) Combined Model Data

Main	Installs all necessary system files on your local PC.
Combined Model Data	Copies ALL currently supported models to the RadarW program. Data will be updated as new models come out. This file will always include all future updates.

NOTE 1: When copying new models to your PC, if the model already exists, it will be automatically updated without notice.

NOTE 2: For first time installation, you ONLY need to download and install the Main Program and the Combined Model Data since this includes ALL supported models to date. After the first time installation, you only need to download the new updates as they become available.

Minimum System Requirements

- Operating System:
 - Win95/98/Me
 - Win 200/Win NT/WinXP ([driver required](#))
- CPU: 486/66 MHz or better
- RAM: 16MB or more
- Printer Port: Bi-directional
- Resolution: 640 x 480, 256 colors or more

Recommended System Requirements

- Operating System:
 - Windows 98SE/NT 4.0 with Service Pack 4+/Me/2000/XP ([driver required](#))
- CPU: 166 MHz or better
- RAM: 64Mb RAM (128Mb for Win 2000/ NT 4.0 / XP)
- Printer Port: Bi-directional
- Resolution: 800 x 600 pixel resolution 16 bit (65,000 colors)

RadarW Version 3.0

NOTES:

- This upgrade is just an exe update and does not require new installation.
- You must have RadarW version 2.1 installed (main program) before you can upgrade to version 3.0.
- First time users should first download and install the [main program](#) using setup.exe then upgrade to version 3.0. There's no need to download model data as it will be available with version 3.0 upgrade.
- All future model updates will be in version 3.0 and version 2.1 will no longer be supported.

Version 3.0 Main Features:

- Allow RadarW to be able to handle new EVR pages that some of the current camera models (year 2002 and up) use. Those pages cannot be handled by the current RadarW version 2.1. You MUST use version 3.0 or higher to perform data handling in those models.
- New EMG codes for M2000 & V mechs are supported
- Enhanced the GUI interface in Data Handling Screen

Installing Version 3.0

The upgrade consists of two parts: and exe update & Master Model List update.

1. Download [Master Model List](#) (2.1MB). This master file includes all models supported to date. Save the self extracting file to a temp folder on your HD.
2. Extract the file into the same temp folder. From the temp folder execute the application ModelCopy.exe, which will install all models on your system. NOTE: before installing the new models, you should back up your current C:\RadarW\Model\ folder to a different name (e.g. C:\RadarW\Model2_1\). This way you won't loose any of your original files.

3. Download version 3.0 [RadarW.exe](#) (760KB). Save this file to your "C:\RadarW" folder.
4. When you run RadarW 3.0 for the first time, it will tell you that some files on your system need to be updated. Allow RadarW to do update the files and you'll be ready.

Downloading Instructions

You need to download both the main program and the model data.

1. Click on the link for the file you want to download.
2. Save the self-extracting (.exe) file to a temporary folder on your local hard drive.
3. Double Click the self-extracting file. You will be prompted to select a location to save the extracted files. The default location is "C:\radar_main_temp" for the main program files, "C:\radar_model_temp" for the model data files.
4. You may now delete the original zipped file from your temporary folder to save space on your hard drive.

Installation Instructions

Installing the main RadarW Program

NOTE: You MUST first uninstall your existing RadarW version before installing version 2.1. Refer to the section [Uninstalling the Program](#) below.

Installation:

1. Open the folder containing the extracted files for RadarW Main Program. The default should be "C:\radar_main_temp" unless you changed it.
2. Double click setup.exe file to start the installation process.
3. Follow on screen instructions until the process completes.
4. RadarW is now installed in "C:\RadarW" folder on your hard drive.
NOTE: You may now delete the temp folder containing the extracted files.
5. You **MUST** install Model Data Files prior to running RadarW.

Installing Model Data:

NOTE: This procedure applies to all model data installation including all future Updates.

1. Open the folder containing the extracted files for Model Data. The default should be "C:\radar_model_temp" unless you changed it.

2. Double click the file "ModlCopy.exe" to start copying models.
3. The process will be completed when you get the message "All Models Have been Copied Successfully".
4. You may now delete the folder containing your extracted files (the default should be "C:\radar_model_temp" unless you have changed it).

Uninstalling the Program

1. Open Control Panel.
2. Select "Add/Remove Programs".
3. Select RADAR-W.
4. Click Add/Remove to remove the program.

Hardware Setup (Interface Unit)

- Connect the 25 pin male connector of the interface to your PC parallel port.
- Connect the LANC cable to both the interface and the LANC connector on the camera.
- The 7 pin connector is for future use and should not be connected.
- In case of communication errors, make sure that the LPT port is set to "Bi-directional" in the BIOS and the I/O address is set correctly.

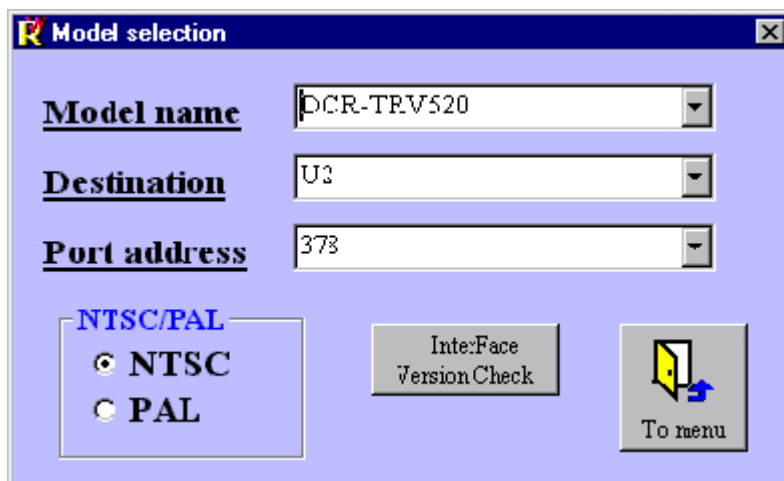
NOTE: Communication problems may be encountered when the user has installed a program that uses the LPT port. In this case we recommend using a second dedicated LPT port for RadarW.

Using Radar W

When Radar W is launched from the Start menu the following screen will be displayed. This screen shows you the main options available in Radar W. You can make a selection using the mouse. When you place the mouse on that selection the text turns purple and a hand with a finger extended is shown. This screen also shows what model is selected at the top. If you want to select a different model, choose Model Selection from the menu.



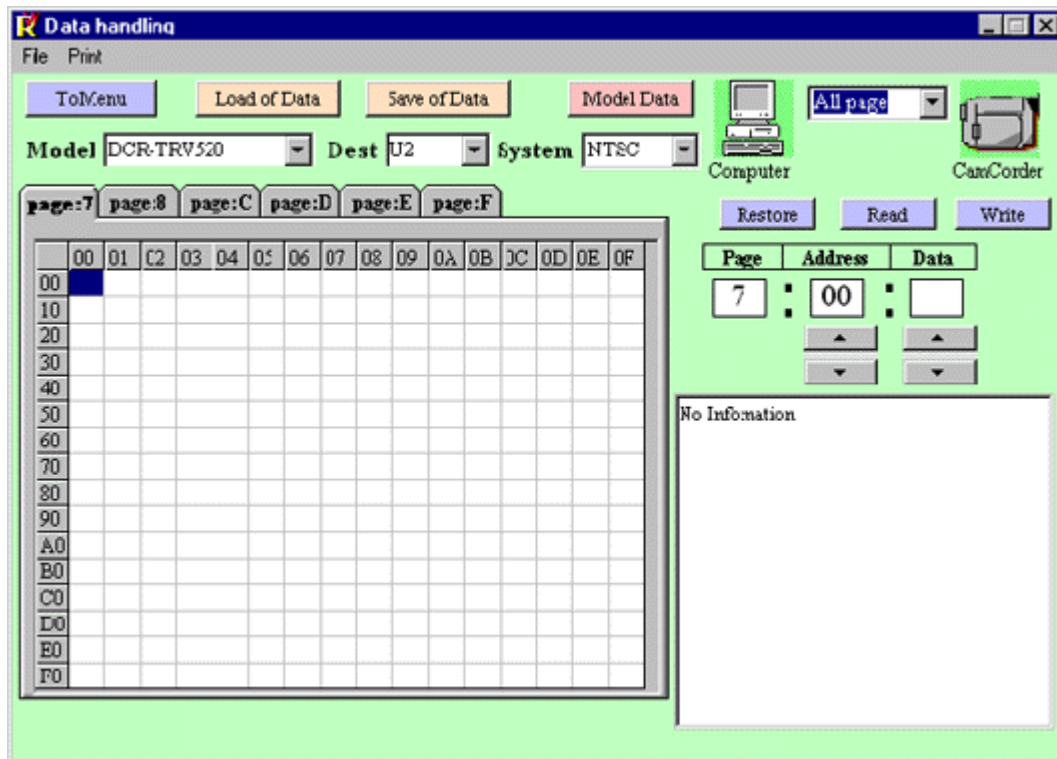
This will bring you to the Model Selection screen. You have three selections to make in the model selection screen, Model name, Destination and Port Address.



Using the Model Name dropdown box, select the desired model. Destination means the country code in which the model is sold. Current version supports only US Models (U2). Port Address refers to the address to which your PC's parallel port is assigned. Once this is set it should always remain the same. In addition we need to select whether the unit is an NTSC model or a PAL model. Once you have made your selection, click the "To Menu" button to return to the Main Menu.

Data Handling

In order to do an upload or download of data you need to select the Data handling screen.

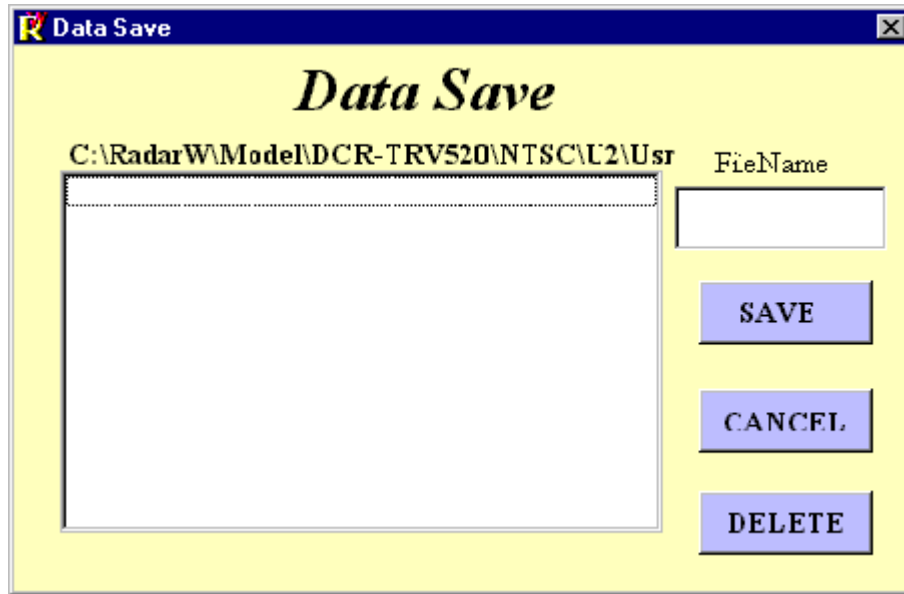


All uploading and downloading is handled by the Data handling screen. The data handling screen shows you to select the Model, Destination and Format. There are also three purple buttons on the screen, Return, Read and Write. Return will change the data values to their previous state if they have been changed. Read will read the data from the camcorder. Write will write a specific file to the camcorder. Above the three purple buttons is a drop down menu. The choices from the drop down menu are Full page, 1 page and 1 Data. Full page means return, read or write data to all pages. 1 page means to return, read or write data to 1 page. 1 Data means to return, read or write data to a specific address. The buttons below the three purple buttons show you the Page, Address and data value that is selected. These buttons can be used to display the current data at a particular address or change that data. The data values are also displayed in table format to the left of these buttons. These tables are laid out in a tab format. When each tab is clicked the data on that page is selected.

The adjustments from the service manual are listed in a window below the Address selection buttons. This screen will be used to do all uploading and downloading of data. We will give an example now of the Upload/Download process.

Uploading Camera Data

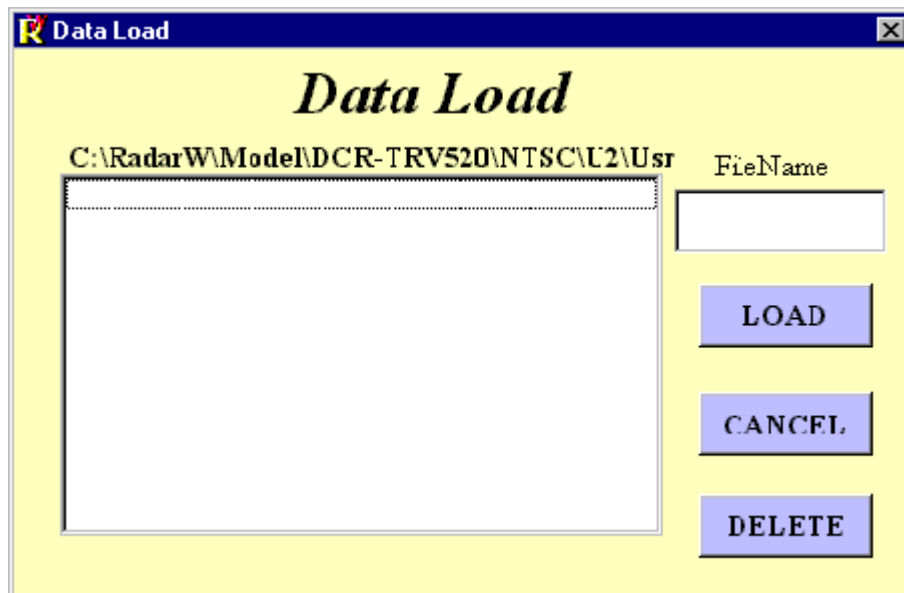
To upload the data from the camcorder press the Read button. When the uploading process completes, the data will be available in your PC's memory. You can now save the data permanently on your hard drive . This is done by clicking on the File pull down menu on the top left of the Data Handling window and clicking the "Save of Full Page" button. The following screen will appear and you will be prompted to enter a file name under which to save the data. Enter a descriptive file name in the box under File Name and click "Save". This saves the file in a folder under the Model Name in the Radar W folder.



Use the above screen to name the data file for this camcorder. We suggest the use of the model number as the name for the file.

Downloading Data to the Camera

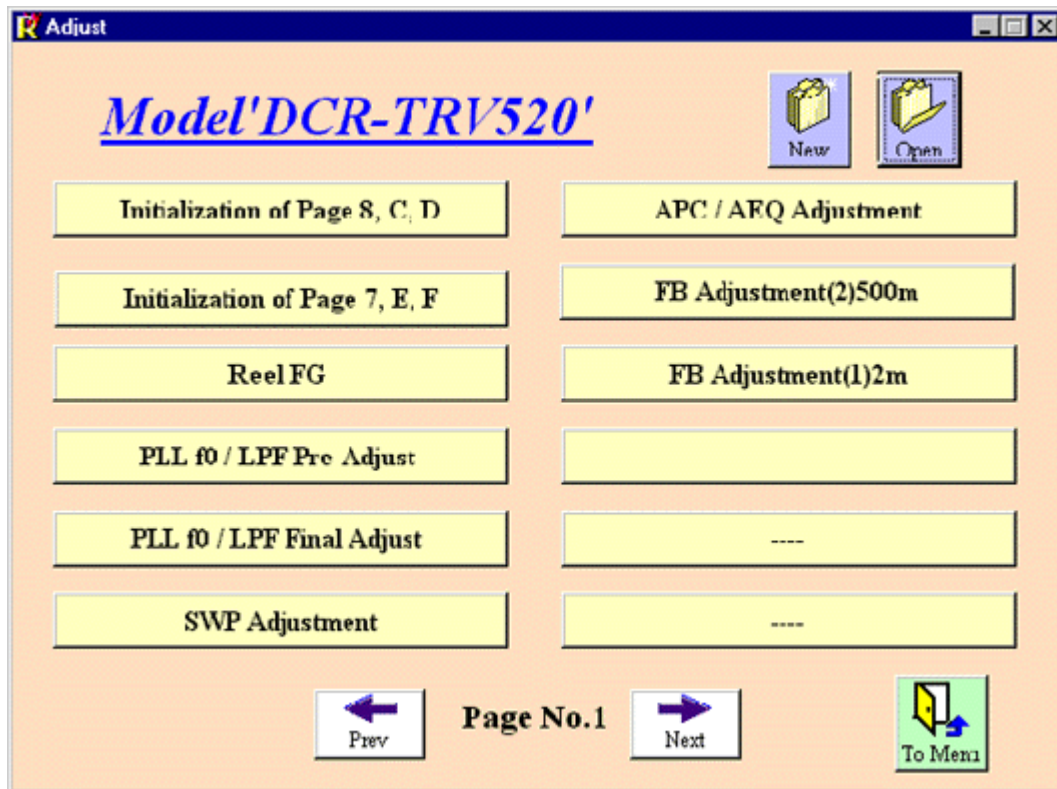
Once you have uploaded and saved the data, you can then write that data back into the camera (or a different one having the same model number), as you would after the VC-213 board is replaced for example. To do this, select Full page loading from the File drop down menu at the top left of the Radar W window. The following window is displayed.



Next, select the file that you want by left clicking it with the mouse and click the Load button. This will bring you back to the Data handling window. You can now click the Write button to write the data from the file to the camcorder.

Adjustments

This section allows you to do automatic adjustments. Select Adjustments from the Main Menu to begin. The following window appears.



Select the adjustment that needs to be performed. Follow the instructions in the dialog boxes that appear on the screen to complete each adjustment.

Testing

The test section of the Radar W software is accessed by choosing Test from the Main Menu. When Test is chosen the following window appears.



Three options are given in this menu, Function button check, Diagnosis and Auto Test. Function button test will allow you to see a screen with the name of each button on it. When you press that button the name will be highlighted on the screen. This is useful for troubleshooting switch problems.

Diagnosis will bring up a window that shows you the Self Diagnostic history and the present Emergency codes. These can be read from the camcorder by pressing the Read button in that window. You can also clear the emergency information from this screen. Auto-Test can be used for scripting sequences as was used in Lanc. A script would contain operation that the camcorder would complete such as Play 10 seconds, Rewind 5 seconds and Stop. The camcorder can then be set to repeat this sequence an infinite number of times. This feature is not available in version 1.0.

RadarW Windows 2000 drivers

Driver allows RadarW to run on Windows 2000, Win NT & Win XP.

Installation Instructions:

To install a device driver the user must have administrative privileges.

- Click the link below to download the driver "RW2KInstall.exe"
- Click RW2KInstall.exe and follow the install wizard.
- When installing on a new PC, install RadarW before installing the driver
- The installer will create a shortcut on your desktop called RadarW2K
- To run RadarW, double click on the new shortcut icon.

- Once the driver is installed, RadarW should function normally under the above operating systems.



[download driver now](#)

FAQ's

Issue: HP Vectra M2 PCs (486/66MHz) - During Setup, the program may prompt you that some of your system files need to be updated and it cannot continue until the files are updated. If you click "yes", setup updates the files, but when you attempt to run setup again, it displays the same message and the loop continues.

Solution: Open the autoexec.bat file in a text editor, look for a line that reads "C:\windows\command\DelTree.exe" and delete it or remove it. Restart the PC and run setup again.

Issue: When attempting to read EVR data, you may get "Runtime error 48 - file TimerCount.dll not found."

Solution: Download updated [RadarW.exe](#) 7/29/00. and save this file in your C:\radarw\folder.

Issue: "Runtime Error 75"
This error code may be encountered after reading camera error codes from the Diagnosis menu. If the blue arrow is clicked to read error code explanation, the system generates error code 75 and the program crashes.

Solution: The current version (1.0) of RadarW can only read error codes but does not offer any explanation. Refer to the service manual for error code interpretation. This will be fixed in the next version.

Issue: Communication Errors: This error may be encountered when attempting data upload/download.

Solutions:

- Make sure the hardware interface is connected properly and the camera power is on.
- Check LANC cable connection.
- If the board has been replaced and a Communication Error results, perform a *Page Initialization* (see Adjustment section of instructions for this procedure)

Issue: All data read is "xx":

Solutions:

- Verify that the LPT port is set to "Bi-directional" in the BIOS of your PC. If Bi-Directional option is not available, try EPP mode instead.
- Verify that the I/O address of the LPT port is set correctly. The default is 378H (for LPT1). If you are using a different LPT port (i.e. LPT2 or LPT3), make sure that the address is selected to match that port. You can change

the I/O address from the main menu.

NOTE: If you have another program on your PC that uses the same LPT port, this program may install its own Windows drivers for the LPT port and RadarW may not work. You have to uninstall that program or install RadarW on a different LPT port.

Issue: Communication Errors while writing certain camera pages. This issue has been reported for some DVC models.

Solution: Download data files for that particular model from the [Individual Model Data](#) section. All files have been updated as of 4/26/99.

Issue: The message "Radar-W has Already Started" is displayed. This message may appear when trying to start RadarW for the second time. This is a known bug that will be fixed in the next release.

Solution: Press Ctrl-Alt-Del on your keyboard then select "End Task" to close RadarW and then restart the program.

Hint: When exiting RadarW, do not shut the program down by clicking the "X". You should only close it down by clicking "End" from the main menu.

Issue: The Message "The File is not Making" is displayed:
This message may appear when trying to upload/download data or run adjustments. It indicates that either the model is not currently supported or some files may be missing.

Solution: Try downloading model data again for that particular model to get updated files for this model.

Question: What models does RadarW support?

Answer: RadarW Supports ALL DVC & D8 models. It also supports all 1999 CCD models. For older CCD models, support is only limited to EVR data upload/download.