

# **iRemote Users Guide**

Version 1.0 (Preliminary)

## Getting started with iRemote

iRemote is an intelligent infrared remote controller for the Digita(tm) enabled digital cameras. It can be used as a remote shutter release, allowing you take pictures from up to 30 meters (100 feet) away from the camera but it can also control a number of camera functions giving you the ability to set from a distance a number of camera parameters.

iRemote uses the RC5 command protocol which means that you can control your camera from an ordinary TV/Video/CD remote <sup>1</sup>

The use of a special attachment bracket allows you to position the iRemote receiver in any angle (relative to the camera), providing a 360 degrees coverage. Usually with cameras that are factory equipped with infrared remote controls, the infrared receiver is placed in the front of the camera, reducing the functionality of the control.

iRemote consist of 3 parts

- ◆ The keyfob remote control
- ◆ The iRemote receiver and bracket
- ◆ Scripts and applications for the camera



This modular design allows the easy upgrading and extension to the iRemote system, providing a lot more than a simple shutter release.

### ***The keyfob remote control***

This is a rugged, small in size, keyfob control designed for outdoor use. It contains a powerful RISC microprocessor that handles the protocol transmission and IR signal modulation. Its also equipped with

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<sup>1</sup> The remote control must be using the RC5 protocol. iRemote is not a universal remote control

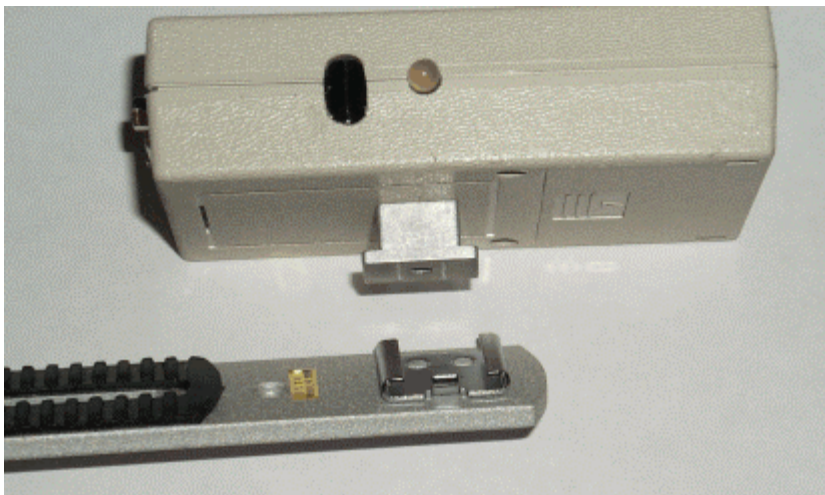
2 powerful infrared leds providing up to 30 meters operational distance.



### ***The iRemote receiver and bracket***

The receiver is the device that is connected to the camera through the use of the camera's serial port. It decodes the RC5 commands send by the keyfob or any other RC5 remote and translates them to serial commands for the camera. It is powered by a 9 volt battery providing many hours of operation.

A special insert allows you to mount the receiver on the bracket by simply sliding it in. The bracket has standard photographic threads and mounts under the camera, and at the same time can be mounted on a tripod.



### ***Scripts and application***

Digital enabled cameras have the ability to run scripts, providing a way to add more functionality to your camera. iRemote uses such scripts to "convert" the commands received by the iRemote receiver to camera actions.

New generation of Digita enabled cameras like the Kodak DC290 and the HP C-500 allow for the execution of third party applications providing even more functionality. Such an application is the IR-Show which is a slide show application , that can be controlled either by the iRemote or by the camera buttons.



## Installing iRemote

### ❑ ***Insert a 9V battery in the iRemote's receiver.***

The battery compartment is located at the bottom of the receiver. To open it press slightly on the compartments lock and slide it outward. Insert the battery and close the lead.

### ❑ ***Power on the receiver***

The power switch is located on the opposite side of the iRemote's indication led and IR receiver. When you switch on the receiver you should see a green led, indicating that the voltage of the battery is ok. If you get a blinking green led this means that the battery needs replacement.

The keyfob is also using a battery which comes pre-installed

### ❑ ***Test communication between the receiver and the keyfob control***

Without connecting the receiver to the camera, turn the receiver to face the keyfob remote at a distance of around 30 cm and press a key on the keyfob remote.

A red led will blink briefly on the receiver indicating that it accepted a command.

### ❑ ***Install the scripts and application for your camera.***

Download the latest version of scripts and applications for your camera from the web  
Unzip them and install the files with extension CSM to your cameras SYSTEM folder

There are several ways to install the scripts to your camera and since Digita enabled cameras come from different manufactures, software for downloading files to the camera may vary so this document only brief explanation is given.

## PCMCIA and CompactFlash Card Readers:

PCMCIA card readers and CompactFlash card readers are the fastest way to install scripts. These devices are available from a variety of sources for most computer systems. Users who have CompactFlash card readers on their computers may copy the files directly to their flash disks. Simply copy the scripts into the System folder on the CompactFlash card.

## Kodak Mounter:

Kodak DC260,DC265 DC290 owners can install scripts from Windows 95/98 using the Kodak Mounter software that comes with their cameras. This software allows you to view add and modify Digita Scripts in a manner similar to when you are using a hard disk. After mounting the disk via the Kodak Mounter, copy scripts into the System folder on the camera. For more information, see the Kodak website at <http://www.kodak.com>.

- ❑ ***Connect the serial cable to your camera's serial port***
- ❑ ***Connect the iRemote receiver to serial cable***
- ❑ ***Power on the iRemote receiver***
- ❑ ***Set the dial to "Capture" and power on your camera***
- ❑ ***Press "Menu" and use the dial buttons to find a script called iRemote***
- ❑ ***Run the script***<sup>2</sup>

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<sup>2</sup> The iRemote must be powered on before the script is started