# CANON DIGITAL LEARNING CENTER



# QuickGuide to Remote Operation With EOS Utility 2.7 Software

This QuickGuide will describe how to use Canon's EOS Utility software (provided on the EOS Digital Solutions CD supplied with your camera) to manage and control an EOS camera connected to computer, either via USB or with a Canon Wireless File Transmitter.

EOS Utility (EU) is compatible with Macintosh OS X 10.2 – 10.6 and with Windows 7, Vista, or XP. Compatible cameras include all EOS digital SLRs that have a mini-USB connector.

The advantages of remote operation via EU include the ability to:

- shoot still photos straight to a computer and save directly to its hard drive, without having to use a memory card. (Video must be saved to the camera's memory card and can **not** be downloaded in real-time to computer via USB.)
- preview and display images on a computer monitor, which is much larger, more detailed and, if calibrated, more accurate than the camera LCD panel.
- adjust camera settings such as focus, exposure, and white balance
- set the camera to shoot at timed intervals

# STARTUP AND PREFERENCES

1: Connect the camera to your computer, then turn on the camera.

The EU Main Window will launch automatically. If the **[Camera settings/Remote shooting]** button is grayed-



out, confirm that your camera is on and connected. If you are using a Rebel T1i/500D, make sure the mode switch is **not** set to Movie mode. If you see "**Error**: Camera is not recognized", visit Canon's

EOS support site (<u>www.canoneos.com</u>) to download the latest EU update.

# 2: Click [Preferences] to set the following:

sic Settings	
Startu	ip Action
	<ul> <li>Show main window</li> </ul>
	Show [Lets you select and download images] screen
	Show [Camera settings/Remote shooting] screen
	Execute [Starts to download images]
	Ito power off (except when using an AC power supply)
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The following settings are available on the drop-down menu in the upper-left corner of the Preferences window. Set each item according to your preference, then click **[OK]** to register your settings.

#### **Basic Settings**

Determines which window is visible on startup. We generally recommend "Main Window" because it offers the most options on one screen.

#### **Destination Folder**

Determines where the photos you shoot remotely will reside. To specify a save destination folder, click the **[Browse]** button, then select a save destination on your hard drive. EU will automatically create a subfolder below the save destination folder you specified. You can select the naming rule from a dropdown menu list or click **[Customize...]** to create a custom naming rule.

#### File Name

Lets you choose whether to use the default file name and number or the file name and numbering of your choice. EU provide a dropdown sub-menu with four presets. For full customization click **[Customize...]**.

#### Download Images

Instructs EU which of a list of available options to apply when you click the **[Starts to download images]** button in the Main Window.

#### Remote Shooting

Allows the option of saving images to the memory card as well as a hard drive. Also allows the option of autorotating images as necessary for correct vertical/horizontal orientation.

#### Linked Software

Allows the option of transferring imported images directly into Canon ImageBrowser, ZoomBrowser EX, or Digital Photo Professional (DPP). Click **[Register]** to import images into any 3rd-party browsing or raw developer application of your choice. By default all JPEGs are opened in DPP after download.

#### **REMOTE SETTINGS AND CONTROLS**

**Click [Camera settings/Remote shooting].** The Capture Window will appear on your computer display. The portion you see here represents only the Drive/AF settings and options.

#### **Drive/AF Options**

Double-click or right-click each setting to view and select the options in parentheses below.



**Drive mode** (Single, Low Speed, High Speed, 1Shot Silent)

**Mirror lock-up** (Disable, Enable, Enable Down with SET)

#### Focus mode indicator

Battery charge level

Number of exposures that can be stored on hard drive

Camera on/off indicator

#### Shutter release

**AF/MF switch**. One Shot AF or Remote. EU cannot control AF if the AF/MF switch on the lens is set to MF. **Destination folder** 

#### **Camera Control Options**

Any adjustments to the following controls in EU will be applied to the camera. (Options vary with camera model.)

- White balance
- ISOMetering pattern
- Auto-exposure mode (not available with all models)



- Shutter speed/aperture
   RAW and/or JPEG files
- Preview Monitor/LCD Panel
- Exposure compensation

#### **Menu Button Options**

#### Shooting menu button

Clicking this button allows you to:

- Select and modify existing Picture Style settings
- Change an existing Picture Style and save it as User-Defined Style in-camera
- Upload a Picture Style File from Canon's web site into the camera
- Adjust JPEG Quality
- Set a Personal White Balance
- Shift the White Balance
- Apply Peripheral Illumination Correction from a list of available lens profiles.

# Flash control menu button [Flash icon]

Clicking this button allows you to access and adjust the same settings available on your camera's Flash Control Menu. You must have a compatible Canon Speedlite connected to the camera to access the flash function settings.

# Set-up menu button [Tool icon]

Clicking this button allows you to:

- Add your name and copyright information to the EXIF data of each image file
- Set the date and time

Shooting menu Picture Style Standard Detail set. 3, 0, 0, 0 Register User Defined style JPEG Quality Personal WB WB SHIFT 0,0 Peripheral illumin. correct.

- Adjust the Live View/Movie function settings
- Check and update the camera firmware

# My menu button [Star icon]

Clicking this button allows you to add the menu items that can be configured in My Menu on the camera. Once added, they can be configured, saved, and applied in EU.

# Self-timer/intervalometer [Stopwatch icon]

Clicking this button allows access to the following settings:

- Self-timer delay setting. Start shooting from 00:00 – 99:59 (minutes:seconds) after the timer begins.
- Time interval between shots. Available settings range from 00:05 – 99:59. The minimum number of shots is two.
- Long (bulb) exposure. Available settings range from 00:05 – 99:59.

 $\label{eq:click} Click \mbox{ [Start] to begin the timing function(s)}.$ 

#### Live View Shoot. ...

Clicking this button opens a window on your computer display that shows a Live View, as seen through the camera.





The Remote Live View image will reflect real-time changes based on adjustments to focus (AF or Manual), active AF point, depth-of-field, exposure, white balance, and Picture Style.

Click the **[Magnifying Glass icon]** to open a Zoom View Window that displays a 100% view of whatever area you have selected. This is useful for confirming critical focus.

Click the **[Grid icon]** button to overlay a 3x3 grid for adjusting vertical and horizontal alignment of your subject.

Click the **[Aspect Ratio]** button to overlay crop lines that correspond to alternative formats such as 4x5 inches or 6x6 cm. Crop information is only attached to the image; the image itself is not cropped.

# **MONITOR FOLDER / WIRELESS OPERATION**

(For use with WFT-E2/A, E2 II A/B/C/D, E3A, E4/A, E4 II A/B/C/D, or E5A/B/C/D)

This option gives you the ability to create a separate download folder when shooting wirelessly with an optional Canon Wireless File Transmitter. You can use EU to operate the camera just as you would with tethered operation. Click the **[Accessories]** tab at the top of the Main Window to access and start-up the Wireless File Transfer Utility.

# **BASIC OPERATION**

Once you have set up EU to your preferences, the basic operation is as follows:

- 1. Use the Capture Window to adjust the camera and set-up the image file destination. If you not need to view the image on screen, click the onscreen shutter button to take a photograph. Photographs will be stored in the folder of your choice and displayed in the image file browser/raw developer of your choice. Canon DPP is the default.
- If you want to see a Live View image on screen, click the [Remote Live View shooting...] button. (Live View must first be enabled via your camera's Set-up Menu.) The Remote Live View Window will open.
- 3. Focus and frame the image. If desired, check the depth-of-field.
- 4. Adjust the exposure and white balance.
- If desired, click the [Test Shooting] button. Any adjustments you make to the test image can be saved and applied to subsequent photographs.
- 6. Click the onscreen shutter button to take a photograph. The resulting images will be stored in the folder of your choosing and displayed in the image file browser or raw developer of your choice.

