

Canon EOS Digital Rebel XT Camera Recommended Settings & Notes

Read this entire document before you start - This special documentation augments the Canon EOS Digital Rebel Camera Instruction Manual. Specifically, it covers settings recommended for dental imaging applications. For more details about the Canon EOS Digital Rebel camera, please refer to the manufacturer's Instruction Manual.

Taking Facial and Intraorals Photos:

1. Turn Power Switch to ON.
2. Set Mode dial to M for ALL photos.
3. Turn the ring flash unit ON. Use ring flash in M mode for all pictures
4. Look through the Viewfinder eyepiece for all photos.
5. Photo type:
 - o **Facial** - Speed: 60, F-stop: F9¹, ring flash 1/4
 - o **Intraoral** - Speed: 60 F-stop: F36, ring flash 1/8
6. Keep the camera about 5 feet from the subject's face for facials and 3-4 inches for intraorals. Keep zoom ring at 55 mm.
7. Frame subject in viewfinder so that it looks approximately how you would like the image to appear after cropping in Dolphin, then use the shutter button to focus² and capture image.
8. Repeat steps 6 and 7 for additional photos.

Viewing/Deleting Captured Images:

1. Press the Playback button (blue arrow) to the left of the LCD screen.
2. Use left and right arrows to the right of the LCD screen to view images.
3. Press the Erase button (trash can), then use the left arrow to highlight:
 - o ERASE: Press SET to erase the displayed image
 - o ALL: Press SET to erase all images
4. Press the Playback button to return to capture mode.

Menu Settings (ALREADY PRESET BY DOLPHIN. To change press MENU while in the M mode. Use Up/Down to select items, SET to change, MENU to return):

Camera menu (use the JUMP button to change between menus)

- Quality: Medium fine (smooth icon)
- Red-eye: Off
- AEB: 0
- WB-BKT: Default (center of scale)
- Beep: On
- WB: Sunlight (Preset by Dolphin)
- Custom WB: select to create custom White Balance
- Parameters: Default settings
- ISO 100 default

¹ **Shutter speed and F-stop.** Depending on the level of ambient light in your office, you may wish to adjust the F-stop. To change, hold down the AV +/- button on the back of the camera while turning the main dial just behind the shutter button. Turning left will decrease the F-stop number and yield brighter pictures, turning right will increase the F-stop number and yield darker pictures.

² **Focusing.** Press and hold shutter halfway to focus image. When image is in focus, the camera will beep and the red lights in the squares will blink. The area directly behind the blinking light is the center point from which the camera focuses, so it is best if this is in the center of your subject. Without releasing, press the shutter all the way down to freeze the image. **NOTE: Especially for intraorals, make sure to rotate the ring flash unit around the lens 90 degrees so that the part of the flash where the wire connects does not block the camera's AF sensor.**

Playback menu

- Protect: select to select images to protect (for all items, press SET to select, MENU to return to menu)
- Rotate: select images to rotate (MENU to return)
- Print Order: to order prints from Canon
- Auto Play: to automatically scroll through your images
- Review: On
- Review Time: 4 sec. (Press SET to increase or decrease the length of time picture stays on screen after you take it. Press HOLD to confirm each picture before saving.)

Tools 1

- Auto power off: 4 min
- Auto rotate: On
- LCD Brightness: 2
- Date/Time: To set date and time
- Fine numbering: Auto reset
- Format: Press SET to format memory card

Tools 2

- Language: English
- Video System: NTSC
- Communication: Normal
- Clear all camera settings: DO NOT USE
- Sensor clean: To clean sensor
- Firmware ver: 1.0.2

Dolphin Canon EOS Digital Rebel Camera Kit Contents:

- Canon EOS Digital Rebel camera set w/ macro lens
- Macro Ring Lite MR-14EX ring flash
- Canon Li-ion Battery Pack³
- Corkin 58' adaptor ring
- 128 MB Compact Flash Memory Card
- USB cable
- CD ROM
- Shoulder Strap

Using Dolphin lightbox:

- Mount the lightbox so its bottom is about 30 inches from the floor.
- Balance the bulb's brightness by placing 2 paper towels directly over the bulb inside the lightbox unit.⁴
- Seat patient 8-10 inches away from lightbox.
- Make sure the patient's head is centered in lightbox.
- **DO NOT USE RED-EYE FLASH WITH LIGHTBOX**

Printing with Canon PIXMA iP6000D

- For best results use Auto setting with Photo Quality Inkjet paper

³ **Battery Kit.** Dolphin includes a Lithium-Ion rechargeable battery and charger with your camera. Purchasing an additional battery and charger is recommended for extended camera use. Using the LCD display drains the battery life sooner.

⁴ **Filtering the Lightbox.** Due to the intensity of the flash bulb inside the lightbox, we recommend placing some type of filter over the bulb to prevent the backlight from overpowering the camera's flash. We recommend using two standard C-fold paper towels. Coffee filters or regular roll-type paper towels also work. Do not worry about fire hazards as the split-second flash inside the lightbox is not enough to generate enough heat to burn. If your background comes out yellow, use less filters; if you see a halo or whiteness obscuring the jaw line then add more filters.