How to Use the Robot Sports Camera

The **Robot Sports Camera** (www.terrapinlogo.com/camera.html) offers students a way to record their Tuff-Bot, Pro-Bot, and InO-Bot adventures with either still photos or videos. You can explore with the camera with Bee-Bots and Blue-Bots when you use the [Pen Holder Jacket](#).

The package comes with the camera in a watertight casing, a remote controller that can be placed on the wrist using the included strap, a charging cable, and many different mounts.

What is not included is the memory card that will store the photos and videos. Be sure to get a Micro SD Card that holds up to 32 GB of data.

The figure at the right shows the different buttons and ports on the camera. The camera has four buttons. The **Power/Mode** button on the front and the **Select/Shutter** button on the top control all the functions. The **up and down arrows** let you highlight an option that you then choose with **Select** button.
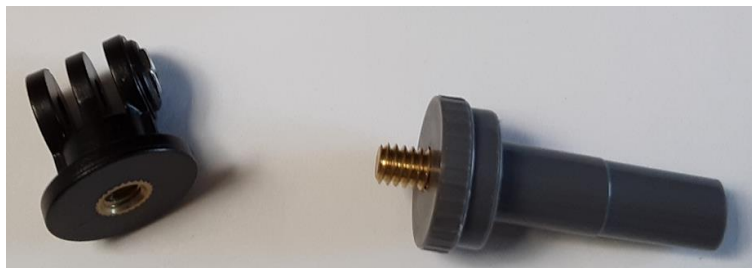
First, charge the camera with the included cable. It will take up to 5 hours.

When it is charged, you may wish to set the time and date. From the main screen, click the Power/Mode button until you see a wrench (for Settings). Press the Select button on the top of the camera. Press the down arrow 10 times to get to the Date & Time option. Press the Select button. Use the up and down arrows to select the correct date and time, pressing Select to confirm each of the selections. You may wish to explore the other settings. To exit settings, press the down or up arrow until the X at the top right has a yellow border. Then press Select.

When you first get the camera, you will need to change the mount. It first looks like this:

Look in the packaging for the two mount parts that look like this:

Unscrew the knob of the currently attached mount and remove the part that was screwed to it.

Connect the small part shown at the left in the image above and screw the knob into that.

Screw the long mount into the threaded hole in the small part you just connected.

Your camera mount will now look like the picture at the right. You can insert it into the hole in robot's center.

Now you need to insert the Micro SD memory card. To do this, you need to remove the waterproof casing. Pull up on the black hinged latch closest to the lens on the front of the camera. It may take a bit of force to open it. Lift up the back end of the hinged latch to open the casing. Now you can extract the camera.

You will need a Micro USB SD Card that holds up to 32 GB of data. The manufacturer gives 32 GB as the highest recommended size. Be sure you get a Micro USB Card. It is very small!

On the side of camera are three slots, as shown in the photo below. At the upper left is an HDMI slot. At the upper right is a Micro USB port, and at the bottom is the Micro SD slot. That is where the card goes.

Insert the card so that the contact bars are toward the front of the camera. Slide it in all the way. If you need to remove it, just push on it and it will pop out.

You can use the camera with or without the waterproof housing. You can still access all the buttons when the camera is in the case. Storing the camera in its case helps protect it.

Turn the camera on using the Power button on the front of the camera. It is also labeled Mode. Look at the display at the back of the camera, where you will see what the camera is seeing. This is called Camera Mode. The default is video mode. To change the camera mode, press the button on the front labeled Mode. The modes are Video, Photo, Burst Photo, and Time Lapse.

Press the Select button on the top of the camera—it is also the camera's Shutter button—to start or stop recording a video, or to take a still shot if the camera is set to Photo mode. In Video mode, a red video icon is displayed at the upper left of the display during recording.

If you don't see anything on the display, the camera has probably gone to sleep. Press the Power/Mode button to wake it up.

There are two options for playing back your videos and seeing your pictures.

View the videos and photos on the camera:

To view the videos and pictures on the camera, press the up button when you are in Camera Mode. You can use the up or down arrow to highlight either videos or photos, then press the Select button. You can use the up and down arrows to scroll through videos or photos. Press Select to start (and stop) the video that is previewed.

To exit the viewing area, press the Power button twice until you see the Video/Photo selection screen, and then press the up arrow.

View the videos and photos on your computer:

To view the saved files on your computer, plug a Micro USB cable into the camera, with the USB end connected to your computer. A window will pop open to show you the saved files.

System Volume Information	9/5/2024 10:30 AM	File folder
PHOTO	4/22/2016 7:12 PM	File folder
VIDEO	4/22/2016 7:12 PM	File folder

Double-click to open the PHOTO or VIDEO folder. Photos are saved as .JPG files. Video files are saved in .MOV format. Double-click a file to open and view it on your computer. You can copy the files to your computer, delete them from the camera, or rename them.

You can also control the camera from afar with the wristband remote.

Pull the small insulating piece of plastic from the back of the remote control, as instructed on it. That allows the battery contacts to work.

Press the gray button to start or stop a video recording.
Press the red button to take a snapshot. Depending on the mode that the camera is in, you can also take a burst of photos or time lapse.

Turn the camera on by pressing the Power button on the front. Place the mounted camera in the center hole of robot and start recording. Either use the wristband remote or press the Select button at the top of the camera. You will use the same button to turn off recording.

After some experimentation, you will be ready to attach the camera to your robot and start recording its journeys!

If you are able to control the robot remotely using an app, the TacTile Code Reader, or the Logo programming language, you can get videos of places that the robot can go, you can't go!

For more information, refer to the Sports Camera's User Guide and the Remote Control Guide.

Have fun!