Setting up FTP Transfer with the Canon R5 Mark II

The Wireless Communication menus are essentially the same as in the R3. You set up your WiFi network connections (called Comm Settings) and Destinations (called Function Settings) in different menus, each with 25 slots allotted for your presets. To actually use the system you need to pair a connection and a destination together in the new Connection Settings menu, which lets you save 20 preset configurations. I recommend that you first set up your network settings and destinations manually, then you can pair them up together in the Connection Settings menu with the "Change from list" feature. That will allow you choose your settings off of lists vs having to run the setup wizard for each configuration.

It is best to shoot in RAW+JPEG and send only the JPEG file. For example, you can usually shoot with a S2 JPEG set to a level 7 quality, which means that it will send a 2 mb file that is 4178 pixels across, which is plenty of data for use on social media and most other needs. We don't recommend sending the large RAW file, which will take forever to upload. You can set it up to send just the JPEG by first going to the very first page of the menu and setting the image type to shoot Raw + Jpeg. Then go to the "Network settings" menu and choose the "Image transfer" menu. Then choose "RAW+JPEG transfer" and select "JPEG only".

Now…

Part A - Setup Comm Settings

1. Go to "Network Settings" in the 4th menu (Purple).
2. Change Network from "Disable" to "Enable"
3. Select "Manual setting"
4. Select "Comm settings"
5. You have up to 25 different slots to save communications settings. Choose any set that says "UNSPECIFIED"
6. Select "Create with wizard"
7. Select "Configure online"
8. Select "Wired" if you are connecting an Ethernet cable - You need to use the Canon CF-R20EP or BG-R20EP Battery Grip to be able to use its ethernet port.
9. Select "Wi-Fi" if you are using the internal wireless transmitter on the R5 Mark II.
10. Now you will select a wireless network.
    a. You must be using a network that does not have a "splash" login page. Splash pages often require authentication or acceptance of terms before a user can use the network. The cameras cannot use these networks.
    b. Some venues provide public WiFi networks. In venues with poor WiFi coverage we will sometimes set up our own WiFi network which means that we bring our own routers and plug them into an Ethernet port. We also use portable hotspots or even a smartphone with a hotspot when necessary.
11. For open networks that don't have a password, you can skip to the next step.
12. For networks with security, enter the password for your wireless network.

13. On "IP address setting" enter "Auto Setting"
14. On "Use TCP/IPv6" enter "Disable"
15. You will then get a message saying "Communication settings saved to NW1" or whichever slot you chose to save the preset
16. The "Comm settings" menu will now allow you to edit, delete or confirm the settings
17. Hit the "Menu" button twice to go back to the "Manual Settings" menu

Part B - Setup Function Settings

1. Go to "Network Settings" in the 4th menu (Purple).
2. Change Network from "Disable" to "Enable"
3. Select "Manual setting"
4. Select "Function Settings"
5. You have up to 25 different slots to save function settings. Choose any "Mode" slot that says "UNSPECIFIED"
6. Select "Create with wizard"
7. Select "FTP trans"
8. Select "FTP"
9. Select "Address setting"
10. Enter "**ftp.picportal.co**" for the Server Name
11. Make sure the "Port number setting" is at 21
12. Choose "OK"
13. Enable "Passive mode"
14. Select "Disable" for Proxy Server
15. On the "Login method" screen select "Login password"
16. Enter the login name you created on your PicPortal gallery.
17. Enter the password you created on your PicPortal gallery.
18. Select "Root folder"
19. Hit "OK" once it tells you the function settings have been saved.
20. The "Function settings" menu will now allow you to edit, delete or confirm the settings
21. Hit the "Menu" button four times to go back to the "Network Settings" menu

Part C - Setup Connection Settings

1. Go to "Network Settings" in the 4th menu (Purple).
2. On the "Network Settings" screen change the "Network" setting from "Disable" to "Enable"
3. Choose the "Connection Settings" menu
4. You have up to 2 different slots to save "Connection Settings". Choose any "Set" slot that says "UNSPECIFIED"
5. Choose "Create from list"
6. Choose Settings name and enter an easy to remember name for your setting. For example, you can choose a location and the FTP site, so for basketball it would be something like "BBall FTP". Hit "Menu" and "OK" to save the name.

7. You must begin by choosing a function setting, choose "Function settings1"
8. Choose "Select from list"
9. Choose "FTP trans" to choose the FTP site you set up in Part B
10. Choose "Comm settings1"
11. Choose "Select from list"
12. Choose the "Comm settings" of the wireless network you set up in Part A
13. This will take you back to the "Change" menu, hit the "Menu" button once
14. You must choose "Connect" and then "Ok" to enable the "Connections Settings"
15. The camera will now attempt to connect to the WiFi network and the FTP site. A solid green "LAN" light will let you that the camera is connected
16. On the "Network settings" menu you can now choose "Connection option settings" and "FTP transfer settings"
17. On the "Automatic transfer" setting choose "Disable". This will ensure that you only FTP selected images.
18. On the "Transfer with SET" setting choose "Enable"
19. Exit the menu and take a test shot with your camera
20. Review the image on your LCD Screen, on the top left side of the image you will see a "SET button with an empty box on the left side. That means that the camera is ready to send an image.
21. Hit the "SET" button on your Quick Control Dial or touch the "SET" button on the LCD screen. The camera will attempt to send the image. The screen will say "Transferring" and the Green LAN light will flash while the image is being transferred.
22. Once the image has completed being transferred a circle will appear in the empty box next to the "SET" button on the LCD Screen. The image is now fully transferred to the FTP site.

Once you are connected and have taken photos, all you need to do to send them to PicPortal is hit the "SET" button on the back of your camera, and that is all! (There will be text in the top left of your LCD as you review your images that say "SET" to let you know it is ready, along with the solid green LAN light). After a few seconds to a minute- depending on file size and connection speed- an "O" will appear in the top left of your screen to confirm the image is uploaded.

**If you followed all the steps and it doesn't work, turn the camera off and do it again. Sometimes it can be finicky and works better when it is completed quickly. Don't ask me why. If it still doesn't work, turn the camera off, leave for 30 minutes, come back and try it again. There is a good chance of it working the next time…