**1. Default Behavior**

When you run:

python manage.py runserver

Django will:

* Run the development server on **port 8000** by default.
* URL: http://127.0.0.1:8000/

**2. Run Django on a Specific Port**

You can specify the port number directly in the command:

python manage.py runserver 8080

* This will run the server on **port 8080**.
* URL: http://127.0.0.1:8080/

**3. Run Django on Specific IP Address & Port**

By default, Django binds the server to 127.0.0.1 (localhost).  
If you want to bind to a specific IP address:

bash

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python manage.py runserver 0.0.0.0:9000

* 0.0.0.0 → Allows access from **any IP address** (used when testing on other devices in the network).
* 9000 → Your chosen port.

**Example:**

* URL on local machine: http://127.0.0.1:9000/
* URL on another device (same WiFi): http://<your-local-ip>:9000/

*(Find your local IP using ipconfig on Windows or ifconfig on Linux/Mac.)*

**4. Run with Different Host and Default Port**

If you only want to change the host:

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python manage.py runserver 192.168.1.5:8000

* This will allow other devices to connect using your **local IP**.

**5. Using Django Settings (Optional)**

If you always want to allow external connections, update settings.py:

python

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ALLOWED\_HOSTS = ['\*']

* \* allows all hosts (not recommended in production).
* Or add specific IP/domain:

python

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ALLOWED\_HOSTS = ['127.0.0.1', '192.168.1.5']

**6. Notes for Production**

* runserver is for **development only**.
* In production, you use a proper server (Gunicorn, Daphne, Nginx) and configure ports there.

**Example Commands Recap**

1. **Change Port only:**

bash

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python manage.py runserver 9000

1. **Change IP & Port:**

bash

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python manage.py runserver 192.168.1.10:8001

1. **Allow all devices (WiFi network):**

bash

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python manage.py runserver 0.0.0.0:8000