

## AT Commands

| Command                        | Description  | Default/Response                     |
|--------------------------------|--|--------------------------------------|
| AT                             | Tests if the HC-05 is in AT mode.                                    | OK                                   |
| AT+VERSION?                    | Gets the firmware version of the HC-05.                              | Version details (e.g., OKlinvorV1.8) |
| AT+NAME?                       | Gets the current name of the HC-05 module.                           | Current name (e.g., HC-05)           |
| AT+NAME=<name>                 | Sets the name of the HC-05 module.                                   | OK                                   |
| AT+ROLE?                       | Gets the current role of the HC-05 module.                           | 0 (Slave) or 1 (Master)              |
| AT+ROLE=<x>                    | Sets the role of the module (0: Slave, 1: Master, 2: Slave-Loop).    | OK                                   |
| AT+ADDR?                       | Gets the Bluetooth address of the HC-05 module.                      | Bluetooth MAC address                |
| AT+PSWD?                       | Gets the current pairing password.                                   | 1234                                 |
| AT+PSWD=<xxxx>                 | Sets a new pairing password (4-digit PIN).                           | OK                                   |
| AT+UART?                       | Gets the current UART configuration (baud rate, stop bits, parity).  | E.g., 9600,0,0                       |
| AT+UART=<baud>,<stop>,<parity> | Sets UART parameters (baud, stop bits, parity).                      | OK                                   |
| AT+RESET                       | Restarts the HC-05 module.   | OK (Module restarts)                 |
| AT+STATE?                      | Gets the current state of the HC-05 (e.g., CONNECTED, DISCONNECTED). | State details                        |
| AT+CMODE?                      | Gets the current connection mode (0: Fixed address, 1: Any device).  | Current mode                         |
| AT+CMODE=<x>                   | Sets the connection mode (0: Fixed, 1: Any device).                  | OK                                   |
| AT+BIND?                       | Gets the MAC address of the bound device (used in Master mode).      | Bound device address                 |
| AT+BIND=<addr>                 | Binds the HC-05 to a specific device (e.g., AT+BIND=1234,56,7890).   | OK                                   |
| AT+CLASS?                      | Gets the Bluetooth class of the HC-05.                               | Current class                        |
| AT+CLASS=<x>                   | Sets the Bluetooth class (hex value).                                | OK                                   |
| AT+INQM?                       | Gets the inquiry mode (device discovery parameters).                 | Current inquiry mode                 |
| AT+INQM=<x>,<y>,<z>            | Sets inquiry mode (x: Mode, y: Max devices, z: Timeout).             | OK                                   |
| AT+RMAAD                       | Clears all paired device information from the HC-05 memory.          | OK                                   |
| AT+SENM?                       | Gets the SPP (Serial Port Profile) security settings.                | Current security settings            |
| AT+SENM=<x>,<y>,<z>            | Sets SPP security mode and features.                                 | OK                                   |