

# Command Protocol

2024/12/03

**Hardware:** Main ESP Board (called Buttons or Motor ESP)

**Firmware:** >= v3.4.0 (buttonfunctionpiov3)

**BAUD rate:** 115200

## Command Protocol

End-of-line delimiter: new-line character **\n**

Argument delimiter: comma character ,

Structure: **COMMAND-NUMBER <, comma separated arguments>\n**

### Example Commands (excluding quote characters)

Set flowrates for dispenser 1 to 4 to 1.2 ml/s, 2.3 ml/s, 1.4 ml/s and 2.5 ml/s

**“20,1.2,2.3,1.4,2.5\n”**

Set the volume-price table for *Dispenser 1* to

50 ml: 100 TK

100 ml: 200 TK

250 ml: 500 TK

**“23,1,50,100,100,200,250,500\n”**

Name	#	Description	Arguments
DX_ID	0	Print machine ID and firmware number	
CFG_FLOW_RATE	20	Set flowrate in ml/s per dispenser	flowrate_1, flowrate_2, flowrate_3, flowrate_4
CFG_PRODUCT_TABLE	23	Set price table (volume and price) for a dispenser (product)	Dispenser number, volume_1 (ml), price_1 (tk), volume_2 (ml), price_2 (tk), volume_3 (ml), price_3 (tk)