

Powerbaas Airco Bridge

Web API reference — endpoints, parameters, and supported airco types

Endpoints

GET /

Returns current status: airco state, room temperature, and system info (firmware, IP, uptime, WiFi strength).

Response: `application/json` — airco (type, mode, degrees, fanspeed, ison), temperature (celsius, fahrenheit), system (firmwareVersion, cpuFrequency, ip, upSince, wifiStrength)

GET /control

Control the airco. All parameters are required. Use `mode=-1` to turn off.

PARAMETER	REQUIRED	DESCRIPTION
<code>type</code>	Yes	Airco protocol type (integer value from table below or <code>GET /types</code>). Use <code>-1</code> to try all supported protocols.
<code>mode</code>	Yes	Operation mode: <code>-1</code> =Off, <code>0</code> =Auto, <code>1</code> =Cool, <code>2</code> =Heat, <code>3</code> =Dry, <code>4</code> =Fan.
<code>temperature</code>	Yes	Target temperature in degrees (e.g. 18–30). Ignored when <code>mode=-1</code> (Off).
<code>fanspeed</code>	Yes	Fan speed (0–6, see table below or <code>GET /fanspeeds</code>). Ignored when <code>mode=-1</code> (Off).

Example (heat): `/control?type=48&mode=2&temperature=20&fanspeed=0` — **Example (off):** `/control?type=48&mode=-1&temperature=20&fanspeed=0`

GET /modes

List all operation modes with their numeric values (Off, Auto, Cool, Heat, Dry, Fan).

Response: `application/json` — `modes[]` with `key` and `value`

GET /fanspeeds

List all fan speed options with their numeric values (Auto, Min, Low, Medium, High, Max, MediumHigh).

Response: `application/json` — `fanspeeds[]` with `key` and `value`

GET /types

List all supported IR airco/protocol types with their numeric values. Use `type` in `/control` to target a specific brand.

Response: `application/json` — `types[]` with `key` (name) and `value` (id)

GET /reboot

Reboot the ESP32 device.

Response: `text/plain` — "Restart ESP"

GET /ota

Serve the OTA (over-the-air) firmware update form. Upload a firmware binary from the form.

Response: `text/html`

POST /update

Accept a multipart firmware upload (from the OTA form). Device reboots after update.

Response: `text/plain` — "OK" or "FAIL"

Operation modes (for `/control?mode=`)

KEY	VALUE
Off	<code>-1</code>
Auto	<code>0</code>
Cool	<code>1</code>
Heat	<code>2</code>
Dry	<code>3</code>
Fan	<code>4</code>

Fan speeds (for `/control?fanspeed=`)

KEY	VALUE
Auto	<code>0</code>
Min	<code>1</code>
Low	<code>2</code>
Medium	<code>3</code>
High	<code>4</code>
Max	<code>5</code>
MediumHigh	<code>6</code>

Airco / IR protocol types (for `/control?type=`)

Integer value to use in `/control?type=...`. Use `-1` to try all supported protocols. From `GET /types` (IRremoteESP8266).

UNKNOWN (-1)	UNUSED (0)	RC5 (1)	RC6 (2)	NEC (3)
SONY (4)	PANASONIC (5)	JVC (6)	SAMSUNG (7)	WHYNTER (8)
AIWA_RC_T501 (9)	LG (10)	SANYO (11)	mitsubishi (12)	DISH (13)
SHARP (14)	COOLIX (15)	DAIKIN (16)	DENON (17)	KELVINATOR (18)
SHERWOOD (19)	MITSUBISHI_AC (20)	RCM (21)	SANYO_LC7461 (22)	RC5X (23)
GREE (24)	PRONTO (25)	NEC_LIKE (26)	ARGO (27)	TROTEC (28)
NIKAI (29)	RAW (30)	GLOBALCACHE (31)	TOSHIBA_AC (32)	FUJITSU_AC (33)
HIDEA (34)	MAGIQUEST (35)	LASERTAG (36)	CARRIER_AC (37)	HAIER_AC (38)
MITSUBISHI2 (39)	HITACHI_AC (40)	HITACHI_AC1 (41)	HITACHI_AC2 (42)	GICABLE (43)
HAIER_AC_YRW02 (44)	WHIRLPOOL_AC (45)	SAMSUNG_AC (46)	LUTRON (47)	ELECTRA_AC (48)
PANASONIC_AC (49)	PIONEER (50)	LG2 (51)	MWM (52)	DAIKIN2 (53)
VESTEL_AC (54)	TECO (55)	SAMSUNG36 (56)	TCL112AC (57)	LEGOPF (58)
MITSUBISHI_HEAVY_88 (59)	MITSUBISHI_HEAVY_152 (60)	DAIKIN216 (61)	SHARP_AC (62)	GOODWEATHER (63)
INAX (64)	DAIKIN160 (65)	NEOCLIMA (66)	DAIKIN176 (67)	DAIKIN128 (68)
AMCOR (69)	DAIKIN152 (70)	MITSUBISHI136 (71)	MITSUBISHI112 (72)	HITACHI_AC424 (73)
SONY_38K (74)	EPSON (75)	SYMPHONY (76)	HITACHI_AC3 (77)	DAIKIN64 (78)
AIRWELL (79)	DELONGHI_AC (80)	DOSHISHA (81)	MULTIBRACKETS (82)	CARRIER_AC40 (83)
CARRIER_AC64 (84)	HITACHI_AC344 (85)	CORONA_AC (86)	HIDEA24 (87)	ZEPEAL (88)
SANYO_AC (89)	VOLTAS (90)	METZ (91)	TRANSCOLD (92)	TECHNIBEL_AC (93)
MIRAGE (94)	ELITESCREENS (95)	PANASONIC_AC32 (96)	MILESTAG2 (97)	ECOCLIM (98)
XMP (99)	TRUMA (100)	HAIER_AC176 (101)	TEKNOPOINT (102)	KELON (103)
TROTEC_3550 (104)	SANYO_AC88 (105)	BOSE (106)	ARRIS (107)	RHOSS (108)
AIRTON (109)	COOLIX48 (110)	HITACHI_AC264 (111)	KELON168 (112)	HITACHI_AC296 (113)
DAIKIN200 (114)	HAIER_AC160 (115)	CARRIER_AC128 (116)	TOTO (117)	CLIMABUTLER (118)
TCL96AC (119)	BOSCH144 (120)	SANYO_AC152 (121)	DAIKIN312 (122)	GORENJE (123)
WOWWEE (124)	CARRIER_AC84 (125)	YORK (126)		