

INSTALLATION GUIDE

Atlantis Mini Retrofit Kit

AUTO kit For TEC boxes WITH an AUTO CONTROL switch



iPhone · App Store



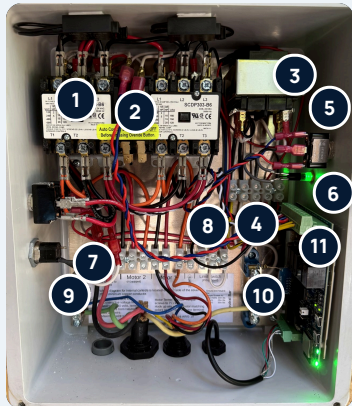
Android · Google Play

Before you begin: you must read and agree to the Atlantis Terms of Service — support.atlantiscontrolsystems.com/terms

0 STEP 0 · Lock out. Prove it dead.
Breaker OFF and locked (dock-light breaker too). Check tester live before and after, then test LINE to Neutral, LINE 1 to LINE 2, each to Ground: all 0 V. The key switch does NOT turn off line power. 120/240 V can kill. Qualified installers only.

BLUE = UP **RED = DOWN** **BLACK = COMMON** **GREEN** keep / goes here **GRAY** junk **BLACK** landmark

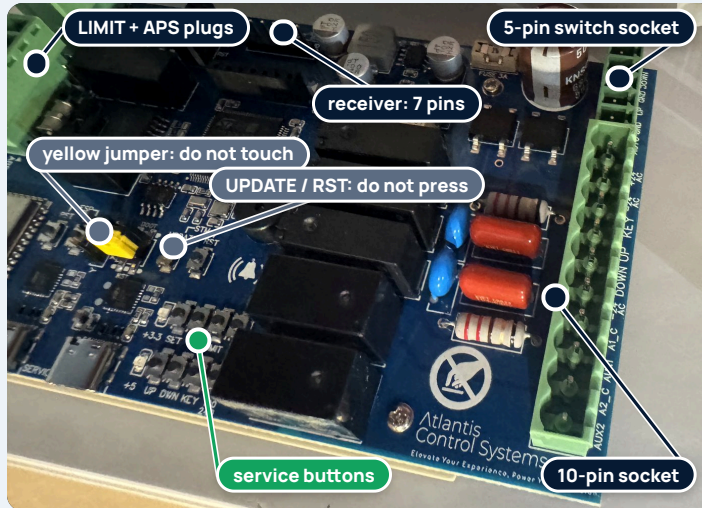
KNOW YOUR TEC BOX



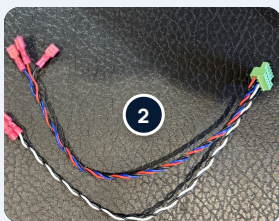
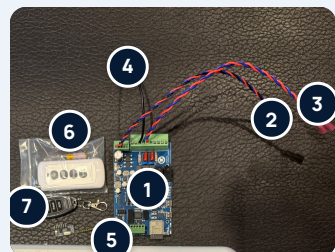
- 1 Contactors: LEFT = DOWN, RIGHT = UP
- 2 Brass tabs (4, between contactors)
- 3 Transformer
- 4 Small screw strip (under the transformer)
- 5 UP/DOWN switch
- 6 Green light
- 7 LINE (power in)
- 8 Limit Switch block (white loops)
- 9 Ground Bar
- 10 Neutral Bar
- 11 TEC board spot (Atlantis board goes here)

AUTO CONTROL, LEVEL CONTROL and key: on the side panel.

KNOW YOUR ATLANTIS BOARD



Every socket is labeled on the board. When in doubt, read the board.



IN THE BOX

- 1 Atlantis Mini board, pre-wired
- 2 Switch harness (right): **RED** **BLACK** **BLUE** + **WHITE** **BLACK**
- 3 Spade wires: **RED** + **BLUE**
- 4 KEY wire: **BLACK**
- 5 Remote receiver (small blue board)
- 6 Optional, sold separately: long range remote (white)
- 7 2 waterproof remotes (black), mounting tape, red + blue stickers

YOU NEED

- Flush cutters (wire snips)
- Needle-nose pliers
- Small flat + Phillips screwdrivers
- Voltage tester
- Electrical tape

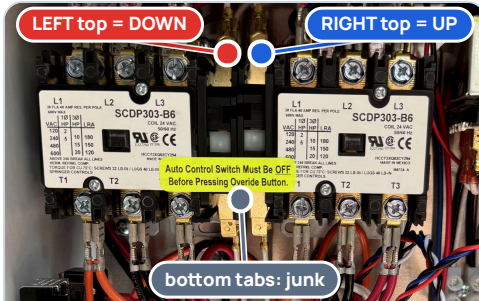
First: install the Atlantis Boater app (scan a code at the top) and sign in.

Every wire at a glance

Check every wire against this list.

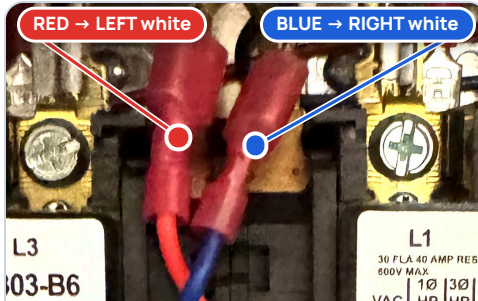
WIRE	FROM	GOES TO
Kit RED spade wire	10-pin DOWN	DOWN white (step 2)
Kit BLUE spade wire	10-pin UP	UP white (step 1)
Kit WHITE + BLACK pair	5-pin plug	AUTO CONTROL switch, either tab
Kit RED / BLACK / BLUE switch wires	5-pin plug	UP/DOWN switch: by green light / middle / by transformer
Old plug YELLOW x2	old TEC plug	10-pin AUX1 + A1_C (dock light)
Old plug WHITE (taped)	old TEC plug, 24AC/GND end	10-pin +24AC (end pin)
Old plug RED (taped)	old TEC plug, 24AC/GND end	10-pin -24AC next to +24AC
Kit BLACK KEY wire	10-pin KEY	middle screw, TEC Limit Switch block
Lift limit switch BLACK / RED / BLUE	TEC Limit Switch block	LIMIT plug +24 / DOWN / UP (GND empty)
Sensor RED / BLACK / GREEN / WHITE / bare	Atlantis Position Sensor	APS plug VCC / GND / A / B / SHIELD

TAKE OUT, PUT IN, MOVE THE WIRES



1 UP white → kit BLUE

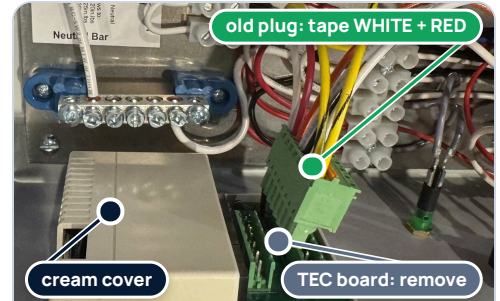
Between the contactors are 4 brass tabs. Pull the white off the RIGHT top tab (UP). Right away, push it onto the spade on the kit's **BLUE** wire. No snipping.



2 DOWN white → kit RED

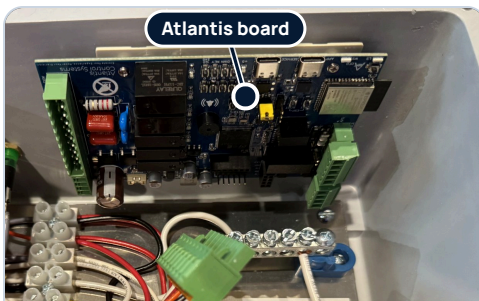
Pull the white off the LEFT top tab (DOWN), push it onto the spade on the kit's **RED** wire. Pull any wires off the bottom tabs (junk, tape the ends). All 4 brass tabs end up empty.

✓ Match the WIRE color. Tug: it must hold. Tip: blue sticker on the UP white, red on DOWN, for future service.



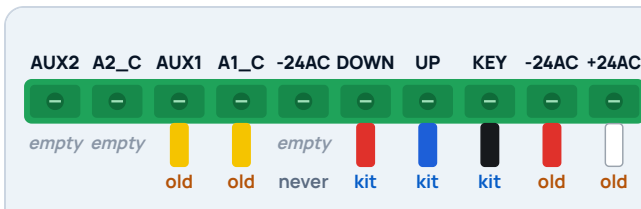
3 Take out the TEC board

On the green plug, find the **WHITE** and **RED** at the 24AC/GND end. Tape them together to find them later. Pull the plug off. Take off the cream cover. Unscrew the TEC board. The cream base stays.



4 Mount the Atlantis board

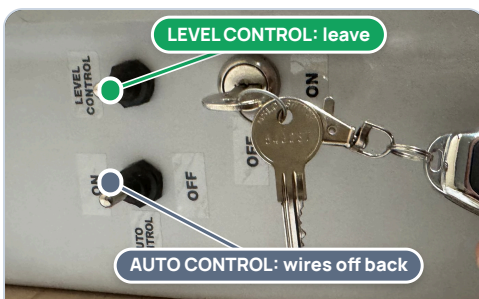
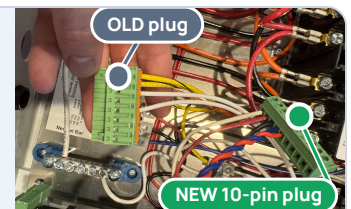
Put it where the TEC board was. The cream base is on double-sided foam tape: peel it off, fix the board to it at a table, stick it back. Or use the TEC screws or mounting tape.



5 Move 4 wires to the Atlantis 10-pin plug

Press the orange tab on the old TEC plug to free a wire. Both **YELLOW** → AUX1 + A1_C (dock light). Taped **WHITE** → +24AC (end pin). Taped **RED** → the -24AC next to it. Screw each in, tug. Don't plug it in yet. Rest of the old plug: junk (unscrew its long white at the small strip under the transformer; leave the other wire).

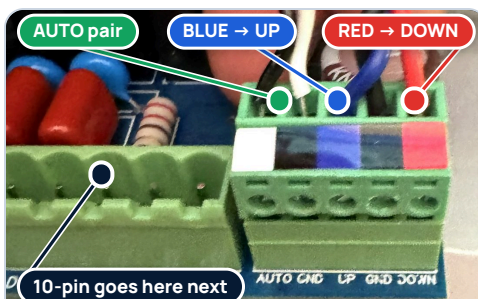
! Never use the middle -24AC. It skips the key switch.



6 Clear both switches

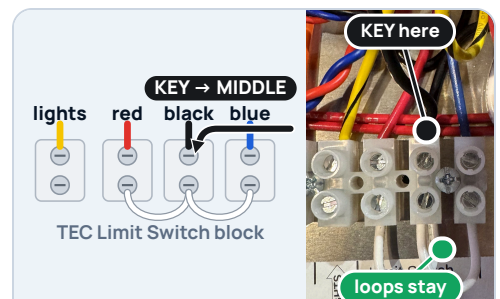
Find the UP/DOWN switch (inside, by the transformer) and the AUTO CONTROL switch (side panel). Pull every old wire off the back of both; tape the ends (junk). Leave LEVEL CONTROL and the key alone.

! Only the 5 kit switch wires go back on.



7 Wire both switches. Plug in.

Push the 5-pin plug into its socket, then the 10-pin plug fully onto its socket right next to it. UP/DOWN switch: **BLACK** middle, **RED** by the green light, **BLUE** by the transformer. AUTO CONTROL: **WHITE** + **BLACK** on its 2 tabs, either way.



8 KEY wire → MIDDLE screw

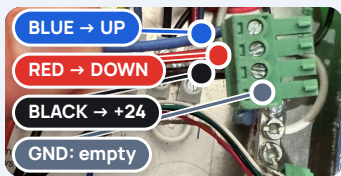
Take the kit's single **BLACK** KEY wire (from the 10-pin KEY pin). Put it under the MIDDLE screw of the TEC Limit Switch block, with the black wire already there. Leave the white loops on.

STOPS, POWER, RECEIVER, CHECK

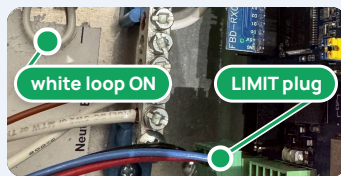
9 Stops: limit switches (A) or position sensor (B)

Use ONE — Auto needs one of them. Limit switches → A. Atlantis Position Sensor → B.

A Limit switches



1. Wire the plug



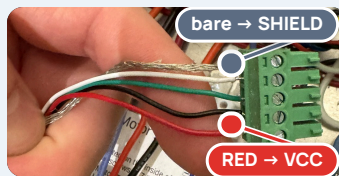
2. Plug it in

LIMIT PLUG (ON THE BOARD)

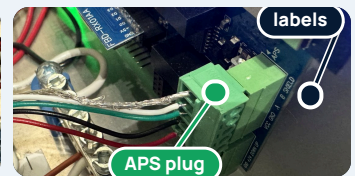


- Move the 3 wires from the lift's limit switches (on the TEC Limit Switch block) onto this plug.
- White loops back on; KEY stays put. Black on +24 — never GND.

B Atlantis Position Sensor



1. Wire the plug



2. Plug it in

APS PLUG (ON THE BOARD)

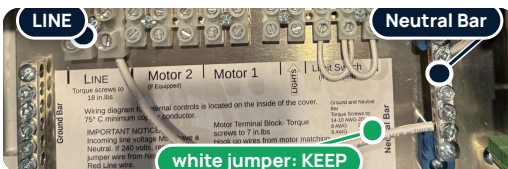


- Mount the sensor on MOTOR 1 (the motor wired to the TEC Motor 1 block). On the other motor you get stall warnings when leveling.
- Go by the board labels, not any plug sticker. Power OFF to plug or unplug.

10 Power: 120 V or 240 V?

How to tell: an incoming RED wire on LINE 2 = 240 V. No red wire, white jumper on LINE 2 = 120 V. The Atlantis wiring is the same for both.

120 V



- Incoming BLACK → LINE 1
- WHITE (or cream) → Neutral Bar
- GREEN → Ground Bar
- KEEP the white jumper (Neutral Bar → LINE 2)

240 V



- REMOVE the white jumper FIRST
- BLACK → LINE 1 · RED → LINE 2
- WHITE (or cream) → Neutral Bar
- GREEN → Ground Bar
- Motors wired for 240 V (TEC's motor chart, not the nameplate)

Set the board later

hold SET 2 s → press 120/240 until solid **CYAN** (120) or solid **ORANGE** (240) → press C → tap SET. Do this FIRST in setup (step 14).

Supply needs its own breaker / GFCI. Only 2 hot wires + ground (no neutral)? Outside North America, or 220–230 V? STOP: convert the TEC box first (orange box), or call us.

TEC's 240 V 3-wire conversion (no neutral) — do this BEFORE power on

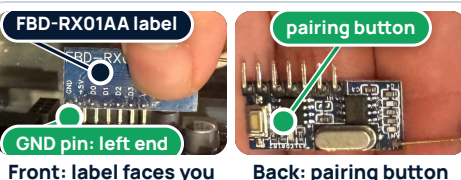
TEC box from 2016 or newer (5-screw strip under the transformer)

- Remove the white wire from the Neutral Bar to the small strip. From that same strip screw, run a new wire (about 28 cm / 11 in) to L1 of the RIGHT-hand (UP) contactor, on a 1/4 in push-on with the red wire.
- Remove the Neutral Bar and every wire on it.
- Unplug the transformer's 2 white wires from the strip. Join them under one wire nut.

Then: hot wires → LINE 1 and LINE 2, ground → Ground Bar, board set to 240 (orange). 120 V dock lights cannot be used. Steps from TEC Remotes' 240 Volt 3-Wire Conversion sheet (tecremotes.com).

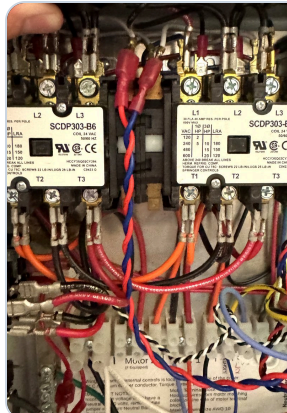
TEC box before 2016 (4-screw strip)

- Move the white wire from the Neutral Bar (to the on/off switch) onto L1 of the RIGHT-hand (UP) contactor, with the red wire.
- Remove the Neutral Bar and its wires.
- On the transformer: remove jumpers 1–5 and 2–6. Add one jumper 2–5.



11 Receiver on

Push the receiver onto the 7-pin row left of the relays: label and pin names facing YOU, GND pin on the left. The pairing button is on the back. Lay the antenna flat.



12 Check before power ON

- ☐ 4 brass tabs empty, junk ends taped. AUTO CONTROL: kit white + black only.
- ☐ BLUE spade on UP white, RED on DOWN white.
- ☐ KEY on the middle limit screw. White loops on. No bare copper.
- ☐ Only the 3 kit wires on the UP/DOWN switch.
- ☐ 10-pin fully on: 2 yellow, taped white + red, kit wires. Middle -24AC empty.
- ☐ 120 V: white jumper ON. 240 V: jumper OFF (step 10). Every screw tight. Tug every wire.

POWER ON: DIRECTION TEST, SET UP, FINAL TEST

13 Power on. Direction test (the remote is the truth)

1. Breaker ON, key ON, AUTO CONTROL OFF: 2 green lights, a tune. The light marked LS turns solid **BLUE**.
2. Lift EMPTY, people clear, hands out of the box. Tap remote UP for 1 second: the RIGHT contactor (UP) clicks in, lift goes UP.
3. LEFT contactor clicked in? The 2 whites on the kit spades are swapped. Power OFF and locked, swap them, test again.
4. RIGHT clicked in, but the lift went DOWN? The motor is backwards. Reverse the motor (next box).
5. Tap remote DOWN: LEFT contactor clicks in, lift goes DOWN.
6. Fix one thing at a time. After each fix, start again at item 2.

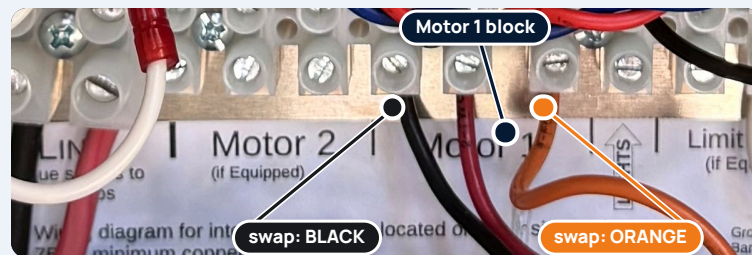
Then the box UP/DOWN switch

It must do exactly what the remote does. Backwards? Power OFF and locked. Swap only **RED** and **BLUE** on the switch. **BLACK** stays in the middle.

- ❗ **Backwards motor (RIGHT clicks, lift goes DOWN)? Never swap the whites, kit spades or 10-pin UP/DOWN wires: it hides the problem. Reverse the motor.**

Reverse a backwards motor

Only when the RIGHT (UP) contactor clicks in but the lift goes DOWN. Power OFF and locked first.



1. In the TEC box, find that motor's terminal block (Motor 1 or Motor 2).
2. Swap its **BLACK** and **ORANGE** wires.
3. Tighten. Power on. Do the direction test again.

Works at 120 V and 240 V. (Or at the motor: swap the 2 leads marked * on TEC's motor chart.)

Two motors: check each one. Reverse only the motor that runs the wrong way. One backwards motor will twist the lift.

- ❗ **Never swap the incoming power (LINE) wires — that does not reverse the motor. Never use factory reset to clear a direction lock.**

14 Set up

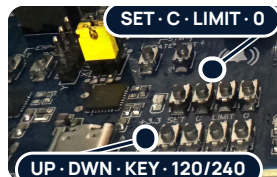
1. FIRST set 120/240 on the board (see the buttons box).
2. In the Atlantis Boater app, beside the lift: Install a customer lift (owners: Add a Lift) → Service Lift → Setup Wizard. Motor Count: 1 (one group, even with 2 motors). Auto Switch Installed: ON. Key Switch Detection: ON.
3. Limit Type: Limit Switches (A) or APS (B). APS: zero with the lift all the way UP, then the UP stop, then the DOWN stop.
4. Operation Timeout → Auto-Test (limit switches or APS must work first): lift at the bottom, Start Auto-Test, press UP once, watch it run to the top until the app says saved.
5. Leave AUTO CONTROL OFF until step 15.
6. Finish installation in the app: Link to customer, or Leave open to pair (the owner adds it with Add a Lift).

- ❗ **Pick Limit Switches only AFTER they are wired. If not, the lift locks (fast cyan/red light).**



Full app guide
Every Setup
Wizard screen.

No phone? Use the buttons on the board



Full service panel guide
Every button, light and beep.

1. Hold SET 2 s (labels light up).
2. 120/240 until solid cyan (120) or orange (240) → C.
3. LIMIT until slow cyan (switches) or magenta (APS) → C.
4. APS only: lift all the way UP → 0 → C. Upper → UP → C. Lower → DWN → C.
5. Auto ON: hold UP + DWN + KEY 2 s. Green double blink → C (red: let go, hold again).
6. Timeout: lift at the bottom. Hold UP + DWN 2 s (teal) → C → 3 beeps → remote UP once. Solid green + tune = saved.
7. Tap SET to finish.

15 Final test

- ☐ Limit switches: run UP, ready to let go. **BLUE** (UP) limit stops it at the top, **RED** at the bottom. APS: it stops at the stops you set.
- ☐ Key OFF: nothing moves.
- ☐ AUTO CONTROL ON (solid green): tap UP once, it runs to the top. UP or DOWN stops it.
- ☐ Remote AUX: dock light on and off.
- ☐ Box lid closed and latched.

Lights and sounds



Scan for what every light and sound on the board means.
support.atlantiscontrolsystems.com/lights-and-sounds

If something is wrong

- No lights at all: breaker on? Then breaker OFF: 10-pin pushed in? Check the small fuse on the red wire by the transformer. Blown? Replace with the same rating (TEC: 1.5 A).
- Yellow light with key ON: the KEY wire is not on the middle limit screw.
- Stops after about 1 second with a siren: a limit or the motor is backwards. Do step 13 again.
- Stops halfway every time: timeout too short (step 14, item 4).
- Remote does nothing: press the receiver's button once, then any remote button except AUX. 3 flashes = paired.



Stuck? We'll walk you through it.

(561) 486-4607 · Mon-Fri 9-5 ET
help@atlantiscontrolsystems.com · atlantiscontrolsystems.com



Scan for the hardware help page