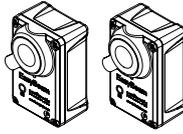


Safety Beam Kits

Wiring and Installation Instructions

2-Wire PE-4v1



2 WIRE P.E.-4V1 KIT SAP# ORDER NO. 86925		
ITEM	DESCRIPTION	QTY
14	EASYBEAM RX-TX SET	1
4	MOUNTING KIT	1

MOUNTING KIT FOR BRACKETS		
ITEM	DESCRIPTION	QTY
1	PE 2000TS BRACKET	2
2	ADJUSTMENT BRACKET	2
3	MOUNTING BRACKET	2
4	TAPTITE SCREW "B" PH M3 X 5 ZNC	8
5	PAN HEAD SCREW WWASHER M5 X 10	4

Wireless WPE-3v1



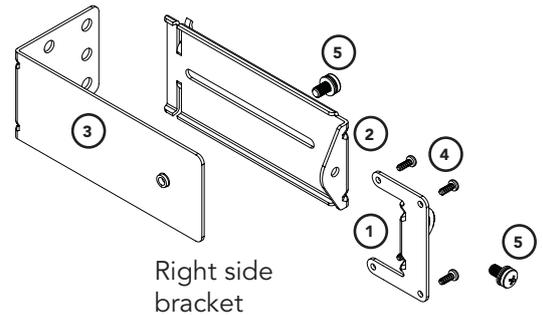
WPE-3V1 KIT - SAP# ORDER NO. ATA #86903 B&D# 86920		
ITEM	DESCRIPTION	QTY
1	WPB-04.02 TX ASSEMBLY	1
2	WPB-04.02 RX ASSEMBLY	1
3	BASE STATION ASSEMBLY	1
4	MOUNTING KIT	1
FLUSH MOUNTING KIT -		
5	PEB4-W1 BRACKET	2
6	TAPTITE SCREW "P" M3 X 8	8
7	SELF TAPPING SCREW M6 X 25	4
8	PLASTIC WALL PLUG 6.7 X 25	4

Mounting Kit for all Safety Beams

NOTE: Mount the receiver on the side of the doorway in shade.

Assembling the Mounting Bracket

- Attach the PE 2000TS Bracket (1) to the Safety Beam Transmitter (TX) using four (4) M3 x 5 Taptite screws (4).
- Connect the mounting bracket (3) to the adjustment bracket (2) with two (2) of the M5 x 10 Pan Head Screws (5).
- Repeat steps (a) and (b) to assemble the Safety Beam Receiver (RX).
- Mount the receiver on the side of the doorway in shade and the transmitter on the other side in line with the receiver. The mounting surface should be rigid. Affix with a minimum of four (4) screws (not supplied).



Important Safety Instructions



WARNING!

- When using Safety beams, the doorway must be clear of all obstructions and persons a all times. The location of the beams and manner in which they are installed might not give safety protection at all times.
- The sensors need to be 100mm above the floor level, however, the exact position must be chosen in such a manner that it suits the application, the environmental conditions and provides maximum safety protection.
- When using auto close mode, a Safety beam must be fitted correctly and tested for operation at regular intervals. Extreme caution is recommended when using auto close mode. All safety rules must be followed.
- Disconnect the power cord from mains power and battery backup (if installed) before making any repairs or removing covers on openers.



ELECTROCUTION!



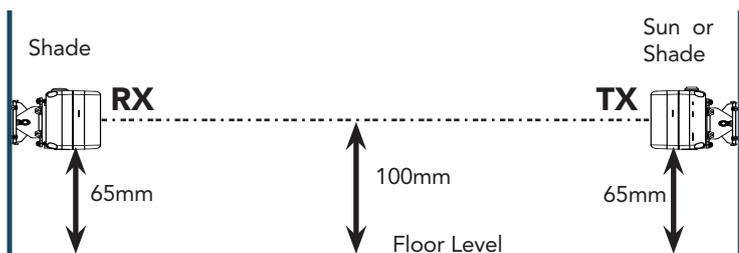
CAUTION:

Fall from ladder

Entrapment

- Ensure ladder is the correct type for job.
- Ensure ladder is on flat ground.
- Ensure user has 3 points of contact while on ladder.
- Ensure the garage door is in good working order by undertaking regular servicing.
- Safety beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg)

Safety Beam Installations

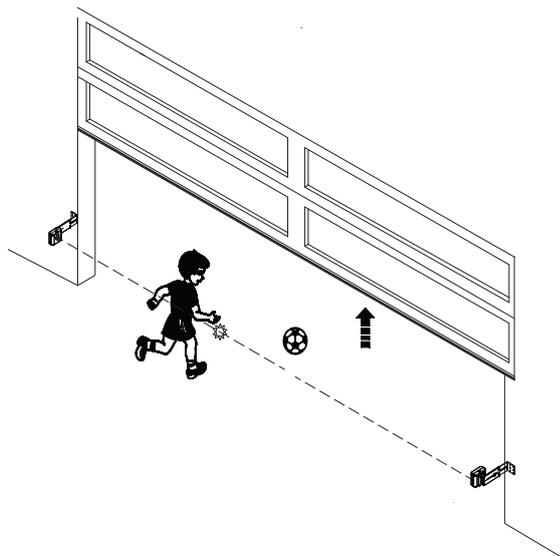


The Safety Beam Kit provides additional safety by preventing the door closing when the beam is blocked by a car, child etc.

ATA recommends the transmitter and receiver are placed in line of sight, with the beam 100mm above the ground level (as per AS60335). This can be achieved by ensuring the bottom of the receiver and transmitter are 65mm above ground level. They should also be placed as close as possible to the door opening.



WARNING! When using Safety Beams, the doorway must be clear of all obstructions and persons at all times. The location of the beams and manner in which it is installed might not give safety protection at all times. Check to make sure that the height of the beam and type used give maximum protection possible.



WARNING! PE beams must be installed if the closing force at the bottom edge of the door exceeds 400N (40kg force)

2 Wire Kit PE-4v1

Wiring the 2 Wire PE-4v1

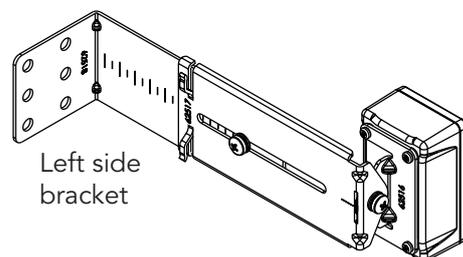
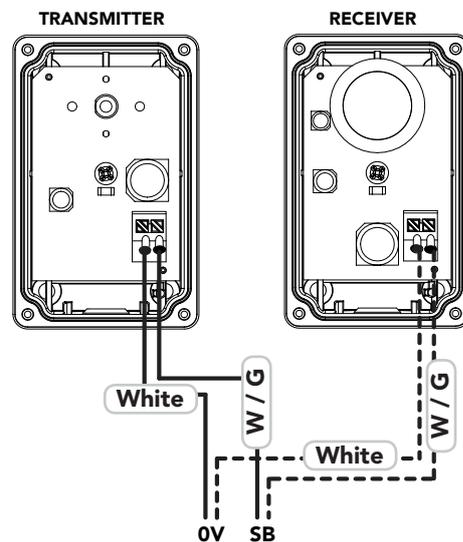
- Ensure to disconnect power to the opener before opening cover to connect the 2 Wire PE as per wiring diagram.
- Refit cover when finished.

Aligning the Transmitter and Receiver

- Power up the opener with the safety beams connected.
- The opener beam alignment feature can be used to align beams via the main light as a guide;
 - bright = aligned
 - dull = not aligned or blocked.

Setting the limits

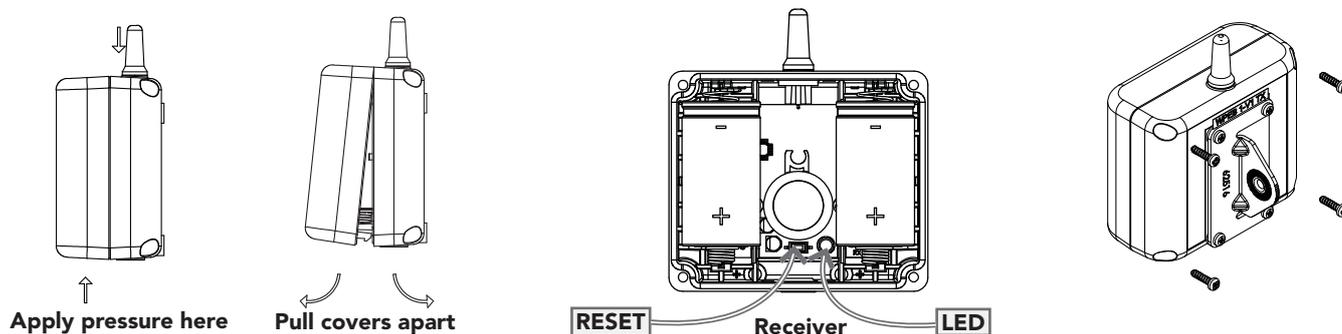
After aligning the safety beams, refer to the openers manual to set the travel limits. If opener has been installed previously, there is no need to clear and reset limits.



Wireless Kit WPE-3v1

Inserting batteries into receiver and transmitter

- Insert two (2) C-Type batteries into the Receiver (RX) and the Transmitter (TX) by removing the front cover.
- The LED on the receiver will light up and after the communication is established between each unit and the base station. This can take up to 60secs.
- Put cover back on Transmitter and Receiver and secure with four (4) M6 x 25 screws (black).



Assemble Flush Mounting Kit (for minimum sideroom applications)

For applications which have limited space available or certain environmental factors a flush mounting kit can be used.

- Attached the transmitter (TX) and receiver (RX) to the two (2) PEB4-W1 Bracket (5) with the four (4) M3 x 8 Taptite screws "P" (6).
- Ensure to take note of the ATA recommendation in step (e) above and fix the TX and RX to the wall or rigid surface using the two (2) 6.9 x 25 plastic wall plugs (8) (if wall) and two (2) M6 x 25 self tapping screws (7).

Connecting the WPE-3v1

- Ensure to disconnect power to the opener before opening cover to connect the base station assembly (3) as per diagram.
- Connect base station to harness from opener.
- Refit pocket cover when finished.

Aligning the Transmitter and Receiver

- Power up the opener with the safety beams connected.
- The opener beam alignment feature can be used to align beams via the main light as a guide;
 - bright = aligned
 - dull = not aligned or blocked.

Setting the limits

After aligning the safety beams, refer to the openers manual to set the travel limits. If opener has been installed previously, there is no need to clear and reset limits.

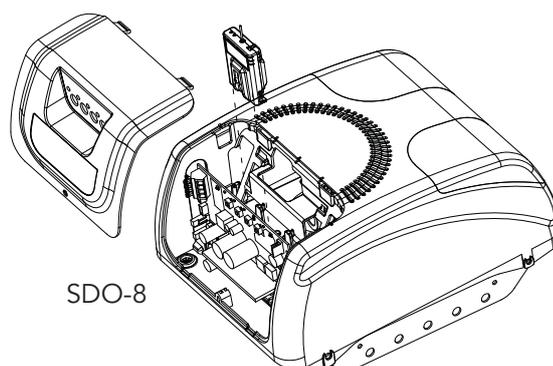
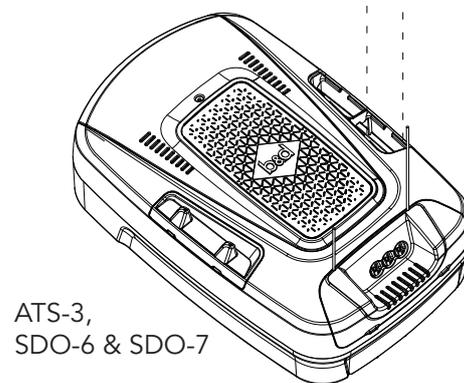
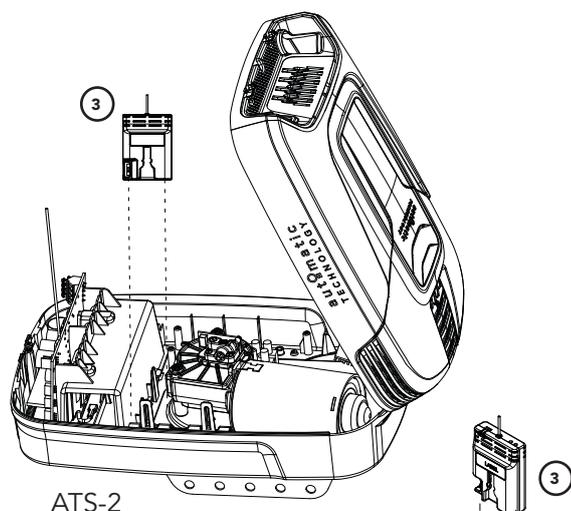
Test the setup

Use a programmed remote and run the door through a few cycles which will update the unit with the details of the transceiver module.

Connecting or Disconnecting Accessories:

When disconnecting or reconnecting accessory base station modules (Wireless PE Beams) press the MODE button on the opener repetitively until the GEAR LED is on, then press the STOP / SET button until the main courtesy light stops flashing.

NOTE: If an Auto-lock is installed ensure that the channels on the transceivers on each device are different. The channel on the transceiver can be changed by sliding the switch in either direction.



Troubleshooting

Symptom	Possible cause	Remedy
Base station and receiver LED's constantly on	Receiver, Transmitter and base station are not in sync.	Wait 2 minutes, if not in sync, cycle power and wait another 2 minutes
Receiver LED is blinking and can not close the door	Receiver and transmitters not aligned properly	Realign receiver and the transmitter
	Beam is obstructed	Remove obstruction from the path of the beam.
During optical alignment transmitter LED stopped working	Setup timed out	Power the opener off and then turn back on
Wireless PE beam works ok but LED's on receiver and transmitter stopped working	To save battery power LED on transmitter turns off after number of cycles	No remedy required
Door will not close	Safety Beam not working	To access safety close mode, hold the transmitter button to close for 6 seconds and continue to hold while the door closes. Check Safety Beam.
	Safety Beam battery flat	
Courtesy light on opener flashes 4 times at the start and end of the cycle. LED on the receiver/transmitter started to flash during operation of the door	The battery in the receiver/transmitter is running low	Replace the batteries

Specifications

Technical Specifications	2 WIRE PE-4V1	Wireless WPE-3V1
Infrared beam range	10m	6m
RF link range	-	10m
RF link frequency	-	2.4 Ghz ISM Band
Batteries for Wireless RX and TX	-	C-Type x 2
Battery Life	-	3 years approx.

Maintenance

To ensure a long and trouble free life for your Safety Beams, the following is recommended:

- Periodically test the Safety Beam is operating efficiently by obstructing either the transmitter or receiver during the openers operation to ensure the door stops.
- If the Safety Beams are located in a very dusty / dirty environment make sure to clean transmitter and receiver lenses for optimal performance.
- Replace batteries in transmitter or receiver (Wireless WPE-3V1 only) when they start to flash during operation of the door.

Warranty

WARRANTY	
ACCESSORIES	1 year

Refer to our websites for full warranty details;

www.automatictechnology.com.au

www.bnd.com.au

If you are a consumer under the Australian Consumer Law, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. This warranty certificate and other statements contained in this document or other ATA documents given to you do not exclude, restrict or modify the application of all or any of the provisions of the Australian Consumer Law.

Subject to your non-excludable rights under the Australian Consumer Law, ATA expressly excludes any liability for consequential loss, incidental or indirect damages (including but not limited to damages for loss of business profits, business interruption and loss of business information) due to a defect of the Product. In particular, any loss or damage caused to other equipment or accessories used with the product or any loss resulting from a delay in repair is excluded to the extent permitted by law.