



*Never use water
in your Aprehend
sprayer.*

Aprehend Spray Kit Instructions and Use

www.rockwellabs.com

Aprehend® Spray Kit Quick Start Guide

Spray Kit Includes:

- Spray Gun (A)
- Mini Air Compressor (B)
- Lithium Battery 12V DC (C)
- Battery to Compressor Connector (D)
- Coiled Air Hose (E)
- Battery Wall Charger (F)
- Battery Car Charger (G)
- Compressor AC Adapter (H)
- Pouch
- (Optional) Spray Gun Extension Kit

Please ensure that you have watched the training videos on www.rockwelllabs.com/training or [The Aprehend Channel](#) on YouTube before using Aprehend.



(A) Spray Gun and 3 oz Reservoir

(B) Mini Air Compressor, (C) Lithium Battery, and (D) Connector Cable



1. The battery comes partially charged. Turn on the battery to see the charge level. The battery must be charged in the ON position. Apply a topping charge for 2-3 hours before use. For detailed information on use and care of the battery refer to the separate instruction sheet enclosed in the battery box.
2. Connect the coiled air hose (E) to the *air outlet on the compressor* (B). Wrench-tighten 1/4-turn past hand-tight.
3. Connect the coiled air hose (E) to the *air inlet on the gun* (A). Wrench-tighten 1/4-turn past hand-tight.
4. Connect the battery (C) to the compressor (B) using the supplied connector cable (D).
5. Note position of spray gun trigger lock: "ON" for use with optional extension kit or "OFF" for hand-held use (Figure 1).
6. Place all items in the pouch.
7. Apply Aprehend according to the instructions outlined in the *Applying Aprehend* section.

Note: if using the Spray Gun Extension Kit (pictured at right), follow the instructions included with the extension kit for its installation.



Optional Spray Gun Extension Kit

Spray low or high without bending or reaching



Figure 1 Press and twist to toggle between the Trigger-Lock "ON" and "OFF" positions.

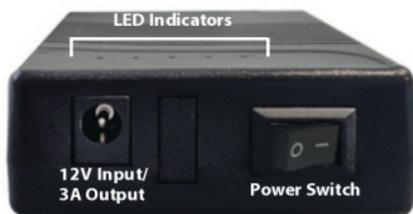
ON (Locked)
Clockwise

OFF (Unlocked)
Counter-clockwise



More About the Battery

For more information on use and care of the battery, please refer to the battery instructions.



LED Indicators

The battery features 5 LED battery-strength indicators. A sufficient charge for compressor use is illustrated by 3, 4, or 5 lit indicators. Do not use the battery if only 1 or 2 indicators are lit.



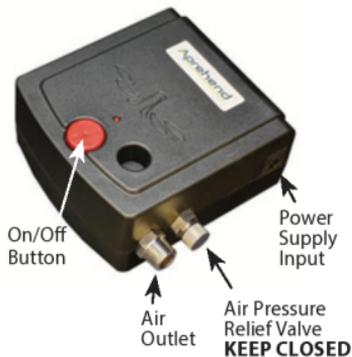
Battery must be in the "ON" POSITION when charging.

DO NOT USE the compressor AC adapter to charge the battery.



More About the Compressor

The compressor features an auto-off system to maintain pressure. When starting the sprayer system, the compressor will run for a few seconds to prime the system and then automatically shut off until spray gun trigger is depressed. Note that the compressor runs intermittently to maintain system pressure when the spray gun trigger is not depressed. This is normal. If the system primes more often than 30-second intervals, please consult the troubleshooting section.



Always ensure that the air pressure valve is tightly closed to ensure correct spray pattern.

The compressor can be connected directly to the wall via the AC adapter. This method of powering the compressor is only intended as a back-up if the battery has completely discharged.



Always wear PPE: long pants, long sleeves, gloves, and NIOSH R or P 95 mask. Refer to the product label and SDS for complete health and safety requirements.

Filling with Aprehend

Aprehend is ready to use. **DO NOT ADD WATER.**

Do not mix with other products or chemicals.

Shake the bottle 10 times to ensure that the spores are fully suspended. Unscrew the reservoir from the spray gun. Fill reservoir to just below the shoulder (3oz/89mL), refill when product volume reaches the 1oz (30mL) mark to ensure consistent pressure and product delivery.



Applying Aprehend

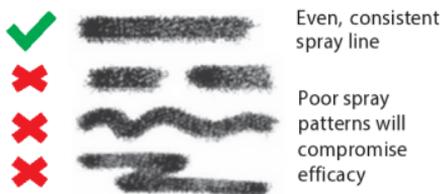
Barrier Application

Aprehend should be applied to surfaces where bed bugs are likely to walk, in strategic locations between where they harbor and feed.



Application of a consistent 2" (5cm) spray barrier will provide optimal bed bug control. Correct application of Aprehend according to these instructions will result in an application rate of approx. 1oz (30mL) per 100 linear ft (30 meters).

Spray Pattern



Rockwell TecTip



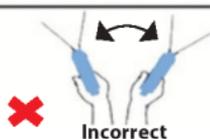
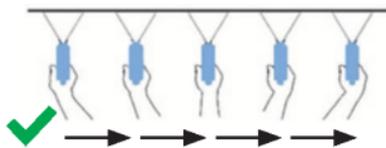
Practice barrier placement technique using rubbing (isopropyl) alcohol on cardboard.

Spray Technique

Consider the 3 critical spray parameters as illustrated: **1)** Hold gun 3–4" (7–10cm) from the surface, **2)** Create a 2" (5cm) barrier, and **3)** Move at a rate of 4–5 seconds per yard (0.9 meter).



Move your arm and not your wrist to keep the spray gun perpendicular to the surface. Incorrect application technique could result in poor coverage of the target area and reduce efficacy.



Do not use a wrist action or spray at an angle of $>$ or $< 90^\circ$



Never use water in your Aprehend sprayer.

Troubleshooting

Follow the troubleshooting guide below to solve these commonly reported issues. If these solutions do not fix the problem, please contact your local distributor or contact Rockwell Labs at 800-891-8610. Please have your spray kit available during the call so we can fully diagnose the problem. Please be prepared to provide details of your purchase date and supplier.

Problem	Possible Cause	Solution
Battery will not charge (see the battery instructions)	Battery is not in ON position when connected to the charger	Turn battery to ON position when connected to the charger
	Charger or battery is not functioning	Connect battery to car charger If battery charges using car charger, the wall charger is not functioning. If the battery does not take charge after 30 min in a running vehicle, the battery is faulty.
Battery will not hold charge (will run compressor only for a few minutes)	Incomplete charge process	Time required to fully charge battery is 8–10 hours with battery in the ON position.
Compressor not working	Battery to compressor cable disconnected	Check cable connection to battery
	Battery discharged or in OFF position	Check if battery is charged and in on position
	Compressor switch in OFF position	Check red button on compressor is toggled to ON
	Spray gun pressurized	Press the spray gun trigger to relieve the air pressure
	Bad battery or compressor?	Disconnect battery and connect the compressor directly to the wall adapter. If compressor still does not run, the compressor is faulty. If the compressor runs from the wall adapter, check the battery (see above).

Spare and replacement batteries and components are available.

Contact Rockwell Labs or your Aprehend representative if you experience any problems with your spray equipment.

Problem	Possible Cause	Solution
Compressor pulses intermittently or runs continuously when trigger is not depressed (intervals of 30 seconds or more are acceptable)	Air hose is not tightly connected	Check air hose connections are tight at both ends and inspect o-rings are in place and intact. Check air hose for damage, leaks, or punctures.
	Air pressure relief valve on compressor is not tightly closed	Tightly close air pressure relief valve.
	Auto shut off may be malfunctioning	Remove air hose from compressor and place thumb firmly over the air outlet. If the compressor is still running continuously, the compressor auto shut-off is faulty.
Compressor occasionally stops during spraying	Compressor ON/OFF button is sensitive to pressure during operator movement	Adjust the location of the compressor in the pouch to ensure that the on/off button is not inadvertently depressed when bending or reaching.
Spray gun trigger cannot be depressed Sputtering or low flow rate; consistent low flow rate; no product coming out	Trigger button is stuck	Twist the button to free-up movement
	Product flow is obstructed	Check that the end of the straw is not blocked by close contact with the bottom of the reservoir. Use scissors to cut the bottom of the straw at an angle to allow free flow of product.
	Insufficient air pressure	Ensure the air pressure relief valve on compressor is tightly shut and check for air leaks.
	Air bleed hole may be clogged	Check and clean the tiny hole on top of spray gun using a pin.

Cleaning and Maintenance

At the end of each job, backflush the spray gun and return unused Aprehend® to the product bottle. Refer to the product label and SDS for handling and storage information.



Backflush the spray gun by placing a gloved finger over the nozzle while depressing the trigger to blow the remaining product back down the straw and into the reservoir. It is rarely necessary to clean the gun if backflushing is performed after every job.



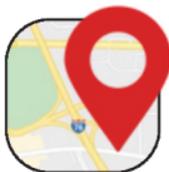
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Never use water based cleaning products to clean out the gun. If blockages occur run approximately 0.5 fl oz of rubbing alcohol through the system and back flush to remove the excess. Allow the gun to dry completely before re-use. **IMPORTANT: after cleaning, turn OFF the power at the battery AND depress the spray gun trigger to release the pressure in the hose.**

Check out the
Aprehend



Channel
on YouTube



Get on the map.

The popular Aprehend Professional Locator **generates free leads** for you. Check it out here: www.rockwelllabs.com/map and contact us to make sure homeowners interested in Aprehend service can find you.

Warranty: Rockwell Labs Ltd warrants this product to be free from defects in workmanship and materials for a period of one (1) year for the original invoice date. We agree, at our option during the warranty period, to repair or replace any defective product without charge. Such repair or replacement is subject to return of defective product for verification of the defect or malfunction and proof of purchase as confirmed by showing the original dated sales receipt.