



BlumSafe Professional Installation and Operating Instructions March 2023

Congratulations on your purchase of the BlumSafe Professional! We are confident that it will provide you with many years of satisfaction and utility.

Please read these instructions carefully before mounting your BlumSafe Professional. We also urge you to visit our website, www.blumsafe.com, and **view the installation videos** under the “Support” tab.

IF YOU ARE NOT TOTALLY CONFIDENT IN YOUR ABILITIES, SEEK THE ASSISTANCE OF A PROFESSIONAL CARPENTER TO INSTALL YOUR BLUMSAFE PROFESSIONAL. ALSO, YOUR BLUMSAFE PROFESSIONAL IS VERY HEAVY – ONE PERSON SHOULD NOT ATTEMPT TO INSTALL THE BLUMSAFE PROFESSIONAL ALONE. DOING OTHERWISE COULD RESULT IN INJURY AND DAMAGE! WE ADVISE THREE PEOPLE BE AVAILABLE TO HELP MOUNT THE SAFE.

THESE ARE GENERAL INSTRUCTIONS AND ARE ABOUT INSTALLING A WALL OR CABINET SAFE, NOT ABOUT HOW TO USE TOOLS SAFELY OR CORRECTLY. WE ARE NOT RESPONSIBLE FOR ANY INJURY TO YOURSELF OR OTHERS, ANY DAMAGE TO YOUR WALLS, CABINETS, YOUR TOOLS, YOUR SAFE OR ITS CONTENTS.

IF YOU CHOOSE TO STORE FIREARMS IN YOUR SAFE, ALWAYS EMPLOY SAFE HABITS, INCLUDING STORING THEM UNLOADED, PROTECTING YOUR SAFE FROM ACCESS BY CHILDREN AND STORING YOUR AMMUNITION IN A SEPARATE LOCKBOX.

* * *

Tools Required:

1. Electronic stud detector
2. Level
3. Power drill and ¼" drill bit
4. Measuring tape
5. Ratchet wrench – 9/16" Socket

In addition, depending upon your installation, you may require wood shims and a flexible opening cable wallplate.

Installation.

Before you begin, see the BlumSafe Professional installation and keypad programming videos on our website, <https://blumsafe.com/videos/>

1. **Determine the best location for your BlumSafe.**

The BlumSafe Professional can be installed in a wall cavity or a cabinet. These instructions are written referring to wall installation, but it is basically the same for cabinetry. **We want your installation to be secure and work well for you functionally. Contact us (or have your designer, carpenter or installer contact us) to discuss if you have any questions.**

Basically, if you have interior wall space for a 20 " by 42" painting, you have a place for the BlumSafe Professional. Focus on the following considerations:

- A. Concealment and Privacy. Take advantage of the built-in form factor of your BlumSafe Professional -- it is designed to be mounted flush with a wall or cabinet surface. Concealment is the first line of defense of any safe against thieves, and is worth more than a ton of steel.** Most burglars have only a limited amount of time, leaving your home in less than 12 minutes, and focus their search for valuables in the master bedroom. Accordingly, you should consider factors of concealability, such as whether the BlumSafe location can be:
 - a. visible from a window,
 - b. visible from a public area of your home or in a traffic pattern (like the pathway to a guest bathroom),
 - c. concealed by a painting or other wall hanging, or
 - d. concealed in a non-obvious place like a children's room, closet or laundry room.

- B. Second, you must account for sufficient cavity depth. The Blum Safe Professional requires at least 13" clearance behind it, as measured from the wall flange (14-1/2" with the fire insulated kit).
- C. The security of a safe might be as dependent on how securely it is mounted as on the strength and qualities of the safe itself. If you bolt this impressive safe in between a pair of unreinforced wood studs with no reinforcement, a thief can easily cut your studs out and take the entire safe with him! Fortunately, it is relatively easy to reinforce your installation to make removal of the safe more difficult and time consuming – and thereby persuade your burglar to go elsewhere. We provide mounting points for side and rear wall mounting, as well as mounting points for optional steel base legs that attach to your floor, making removal more difficult and time consuming (time is your friend, the burglar's enemy). Or you can simply attach steel plates between the safe and regular wood studs, or sandwich a steel plate between wood studs, going from floor to ceiling, to enhance security.
- D. For better security, it is suggested that you mount the safe in at least two dimensions – both from the sides and the bottom, sides and back wall, back wall and bottom, or all three. **And for greater ease in mounting, if you are not mounting the safe on legs and are instead attaching it to vertical studs, before installation we strongly recommend that you build a horizontal "shelf" between those studs for the safe to sit on as you slide it into the cavity. This will make installation a lot easier and safer.** Even if you use our legs, which sit deeper in the cavity, you can build an 8" deep shelf in front of the legs.
- E. Always plan on multiple levels of home security (e.g., alarms, dogs, cameras, concealment) and adequate insurance, please.
- F. Mount the safe in a cabinet or an **interior** wall– not in an exterior wall where it will take away from insulation value and could result in vapor and other problems in your structure (besides probably being against local building code).
- G. Only mount safe in an empty stud cavity -- **containing no wires or pipes**. Using a good quality electronic stud detector may help you determine if your desired BlumSafe location in the chosen stud pocket is "safe" of such hazards (and, of course, also help you locate your studs). If in doubt, cut a small hole in the stud pocket and check with a flashlight or hanger for wires and pipes.
- H. Make sure there is a wall outlet or AC power close to the safe – one or two stud cavities away, as you will need to connect to that power in order to power lights and winders in the safe. These appliances plug-into an outlet using AC wall wart adapters.

2. Installation.

A. Cut hole in wall for safe:

- use electronic stud detector or knock on wall to locate and mark edges of stud.
- determine approximate desired height of safe. Typical height has top winder level of safe interior (if fully loaded) at or slightly higher than eye height, bottom of safe at approximately 29-30 inches from floor. Mark top and bottom height on left stud markings on wall, using level to draw line across to right stud markings.
- using left vertical stud edge marking as your left edge, complete rectangle drawing of stud opening on wall of 14 1/4" wide by 31" high.
- if unsure about presence of wires or pipes in wall cavity, cut small pilot hole in lower left corner of safe rectangle, and either look inside the hole for wires and pipe with a flashlight, or insert a hanger into cavity to detect any wires or pipes.
- if space is clear, use a drywall saw or other appropriate tool to cut out the safe opening rectangle in the wall, and remove.

B. Mounting of Safe

PLEASE see BlumSafe Professional installation video on our website, <https://blumsafe.com/videos/> The safe door is very heavy and this video will help you make sure you are prepared to get it right on the first try.

--First remove the door -- we ship the door attached because we have found this is the safest way to transport. The door ships shut **and locked**, you will need to follow the unlocking instructions in the included lock instructions to open your safe. You need one person to steady the safe body (on a sturdy table or on wood sitting on the floor, being careful not to scrape the flange) and two people to lift the door. It is easiest to tilt the safe up with a helper, open the door and unbolt it while it is open 90 degrees.

--Safe is heavy, so WITH AN ASSISTANT, place the safe, without door attached, in opening in wall or cabinet, with left side of safe held tightly against left stud.

--REMEMBER before the next step: safe should be flush with wall.

--NOTE: If installing with our optional steel legs, attach them to the bottom of the safe with included attachment bolts before raising the safe into position.

--Mark the mounting holes in the left side wall of the safe against the stud.

--if there is no gap between right side wall of safe and right stud, mark the mounting holes in the right side wall of Safe on the right stud.

--Pull safe out of wall.

--if required, mount shims or spacers on right stud, and put safe back into hole to mark right wall mounting holes, then remove safe from hole.

-- using a 15/64" drill bit, drill pilot holes into studs on mounting bolt marks, no deeper than 1 1/4" if using a single stud. DO NOT PENETRATE TO OTHER SIDE OF STUDS unless you are sure that electrical wires are not on other side of studs – otherwise this could result in electrocution!

--REMINDER, attach the safe to two dimensions –two of sides, back wall and bottom to floor. There are holes drilled in all locations to facilitate this (just pry off the plastic plugs).

--If you are plugging the power adapters from the safe into a wall outlet in plain view then cut opening for wires approximately 18" above the floor in the same stud pocket as safe opening. You may wish to use a flexible cable grommet at this opening. Instead, you could also hide plugs in a wall cavity below the safe with a removable panel, subject to construction and electrical code rules in your locality.

--Thread through hole power wires for winders and lights, and spare string for future connections (optional – e.g., for alarm wires, power for a dehumidifier rod, etc), pulling the ends out the bottom of the safe hole opening.

-- hold safe near hole in wall and pull ends of wires through grommet hole in bottom of safe, temporarily tape or secure in place inside safe.

-- Insert safe back into opening, lining up holes in sides of safe with holes drilled in studs. Place one washer on each lag screw provided with safe, and use ratchet wrench or other tool to screw safe to studs. DO NOT OVERTIGHTEN.

It is necessary to use all of the lag screw holes in the side walls, floor legs and/or the back panel in order to have a successful installation (two dimensions of attachment, please). The safe is significantly heavier than a standard BlumSafe, and as such needs the extra attachment points.

C. Hanging of Door. After completing the mounting of the safe body, it is time to hang the door. You will need at least two people to hold the door very carefully in position at the 90 degree open position. Then another person can line up the bolt on the hinges with the holes in the door. It is easiest to completely mount the hinges to the safe body with the alignment pins fixing them in position. The bolts that hold the safe door on are countersunk to help with final alignment. It is important to fully tighten these bolts. Carefully open and shut the door. **It is important to test the locking and unlocking of the safe at least 3 times BEFORE locking the safe door shut.**

3. Mounting of Winders

--vertically position winder drawer base into safe, rotate horizontally. Plug power adapter plug into bottom of winder drawer base. Position drawer against back wall of safe, centered so that drawer, when open, it clears both sides of door opening. Put included Velcro on back of winders that correspond with the winder retention bars on the back wall of the safe. With a paperclip remove the little black covers in the tops of the winders, to allow for stacking and electricity transmission between winders. Carefully stack the winders, making sure there are no foreign substances (paper, packing foam, etc) between the mounting electrical transmission nubs in the bottom of a winder and the holes in the top of the winders beneath it, and make sure you align to the Velcro on the back wall brackets so the winders are seated firmly in the holes at the top of the winders beneath them.

3. Using the Lock on Your Safe.

IMPORTANT: Become familiar with operating the two parts of the locking system while the door is open before attempting to lock your safe. While the door is open, practice the steps below, observe the locking plates extending and retracting, test locking and unlocking the electronic keypad and main mechanism at least 3 times before locking the safe door shut.

The standard lock system on your BlumSafe Professional consists of two major parts.

1. Electronic Keypad (Black Rotary Knob)
2. Main Locking Mechanism (Single Spoke Handle)

SEE THE VIDEO ON OUR WEBSITE, blumsafe.com/support/videos, SHOWING HOW TO PROGRAM AND USE THE STANDARD ELECTRONIC KEYPAD LOCK. [NOTE: If you instead purchase the manual dial lock or the bluetooth lock, it will come with its own directions]

The electronic keypad is operated by the buttons located on the knob on the safe door. Your combination is set at the factory default { 1 2 3 4 5 6 # }. Later on there will be instructions to change it to your preferred 6-digit combination. The operation of the electronic keypad allows the outer knob to be rotated to lock and unlock the electronic keypad, clockwise to unlock, counterclockwise to lock. When the black tab is at the 12 o'clock position it is in the locked position. The electronic keypad engages the main locking mechanism. Since the two parts operate independent of each other by design, the electronic keypad can only be locked when the main mechanism is all the way in the "locked" position.

1. Type in your 6-digit combo (ships from factory 123456), followed by #.
2. Turn the outer dial to the right (clockwise) until you feel the keypad unlock.
3. Leave the outer dial in this unlocked position until you are ready to relock your safe.

The main locking mechanism is operated by the large, single spoke handle below the electronic dial. Turning the handle clockwise (LH: counterclockwise) extends the locking plates to the locked position. Turning the handle counterclockwise (LH: clockwise) retracts the locking plates to the unlocked position.

The main single spoke handle operates opposite for right and lefthand swing doors, for a right hand swing door clockwise rotation extends the locking plates and locks the door, counter clockwise rotation retracts the lock plates or unlocks the safe. The opposite is true for a left hand swing door. Below the rotation for a RH door will be specified and the rotation for a LH door will be in parenthesis. Example: clockwise (LH: counterclockwise)

It is important to make sure the electronic keypad is in the unlocked position before operating the main locking mechanism handle.

Before attempting to lock or unlock the main mechanism check to see if the electronic keypad is in the unlocked position by checking the black tab on the outer knob. If the tab is at the 2 o'clock position, it is unlocked. If the black tab is in the 12 o'clock position, it is locked and you must enter your combination in steps 1-3 above to unlock the electronic keypad before attempting to lock the safe.

After unlocked keypad position is verified, the main lock mechanism can be locked or unlocked. To lock the safe turn the single spoke handle clockwise (LH: counterclockwise) until it reaches the stop. While the handle is kept in this position, slowly rotate the outer keypad dial to the left, you will hear the electronic keypad click into the locked position and beep twice as it engages the main locking mechanism. You have successfully locked the safe when applying light pressure to the single spoke handle in either direction, it will not move.

The main mechanism is protected by a slip clutch between the main handle and the lock mechanism itself. If heavy pressure is applied to the handle the slip clutch will allow the handle to rotate, this is to protect the lock mechanism from major force applied during an attempted robbery.

To program in a combination of your choosing, complete the following:

Key the following sequence into the lock (Note "X" represents your new 6-digit combination: { 2 2 * 1 2 3 4 5 6 # (5 audible beeps) X X X X X # (3 audible beeps) X X X X X # (3 audible beeps).

This an easy process, but important to get right. To summarize, you type in "22*" followed by the current combination (ships from factory at 123456#), you will hear 5 beeps, you type in your new combo followed by #, you will hear 3 beeps, you type in your new combo one more time followed by #, and will hear 3 beeps to indicate you have completed the process successfully.

Please test locking and unlocking the electronic keypad, retracting the lock plates, extending the lock plates, and relocking the safe at least 3 times before you try to lock the safe door shut. This testing procedure is important when you first assemble your safe, as well as any time the combination is changed.

* *

Thanks for buying your BlumSafe Professional! Feel free to reach out to us with any questions or comments as you plan or go through the installation process or afterwards.