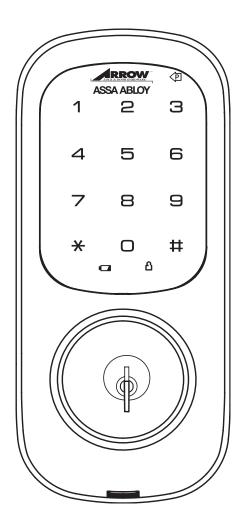


Arrow Revolution[™] Touchscreen Deadbolt Installation and Programming Instructions

ASSA ABLOY

NOTE TO INSTALLER

FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT AND VOID THE FACTORY WARRANTY



For Technical Assistance contact Arrow Lock at 1-800-221-6529

www.arrowlock.com

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WARNINGS

CAUTION: Changes or modifications to this unit will void the the warranty.

IMPORTANT: The accuracy of the door preparation is critical for the proper functioning and security of this product. Misalignment can cause performance degradation and a lessening of security.

Finish Care: This lockset is designed to provide the highest standard of product quality and performance. Care should be taken to ensure a long-lasting finish. When cleaning is required use a soft, damp cloth. Using lacquer thinner, caustic soaps, abrasive cleaners or polishes could damage the coating and result in tarnishing.

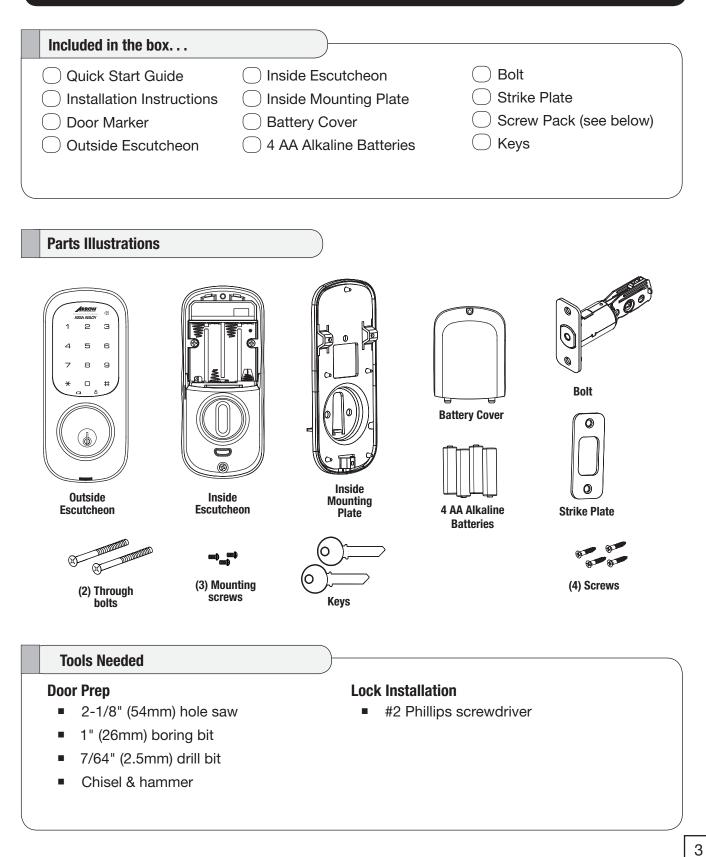
INTRODUCTION

The Arrow® Revolution[™] Stand-alone Touchscreen Deadbolt Lock combines a robust lockset with a contemporary electronic aesthetic.

Users benefit from an interactive touchscreen that makes day-to-day access effortless, as well as offering voice-guided programming for simple updates to user information in the event of staffing changes or security breaches. Arrow Revolution is engineered for quick and easy installation and fits in place of a standard deadbolt lock door prep (ANSI/BHMA A156.115).

INSTALLATION

COMPONENTS AND TOOLS



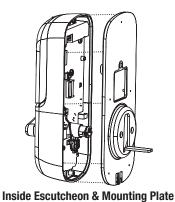
PREPARE LOCK FOR INSTALLATION

Unpack the Lock

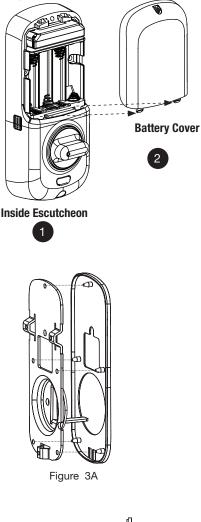
The lock is packed representative of how it will install on the door.

Before installing the lock on the door:

- A. Inside escutcheon
 - Loosen the screw (Phillips #2) holding the battery cover. (The screw remains attached to battery cover)
 - 2. Slide the battery cover up and out (note the two tabs at bottom of battery cover).
 - 3. Remove the inside mounting plate (with gasket) from the back (door side) of the inside escutcheon.



a. Ensure that gasket on inside mounting plate is properly fitted. Note the positioning of the gasket's five rubber nubs (Figure 3A).



B. Bolt

(with gasket)

Note: Bolt ships with backset in 2-3/4" position. If required, press small black button on underside of bolt and pull to shorten to 2-3/8" backset position.

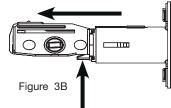
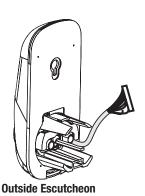


Image (Fig. 3B) shows proper orientation when installing the bolt.

C. The outside escutcheon (with gasket) remains assembled.



INSTALL LOCK

1. Install bolt in door.

NOTE: The bolt must be in a retracted (unlocked) position when installing the lockset.

Attach with two (2) M4 x 25.4mm screws supplied.

2. Install strike on the door frame, making sure to allow for the bolt to be centered in the strike.

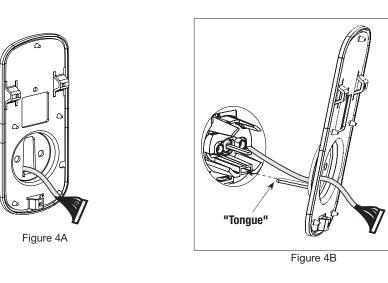
3. Install outside escutcheon.

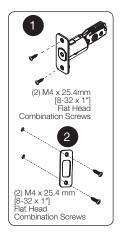
As you position the outside escutcheon, route the cable through 2-1/8" diameter hole (Figure 3A).

NOTE: Cable must go under bolt and through (Fig. 3B).

Ensure that the tailpiece is oriented correctly (see arrows Fig. 3B).

 Holding the outside escutcheon flush to the door, position the inside mounting plate by first routing the cable and connector through the mounting plate's 1/2" hole (Fig. 4A) and then inserting the mounting plate "tongue" into the bottom slot of the outside escutcheon (Fig. 4B).





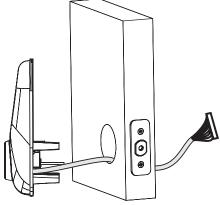
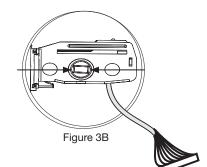


Figure 3A



5. Secure both assemblies using (2) M6 x 59.5mm pan head machine screws, making sure that outside escutcheon is vertically aligned.

Tighten securely with a #2 Phillips screwdriver. Do not over-tighten.

 Attach cable assembly to the inside escutcheon printed circuit board (PCB) by lining up notches on top of cable connector to slots on PCB connector (Fig. 6A). Press connector in firmly using thumbs until completely seated (proper position indicated by arrows on PCB as in Figures 6A and 6B).

CAUTION:

Use care when assembling to ensure that the cable lies against the back recessed area of the inside escutcheon (Fig. 6A).

Position and bend cable to prevent binding when installing the escutcheon over the mounting plate.

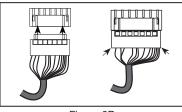


Figure 6B

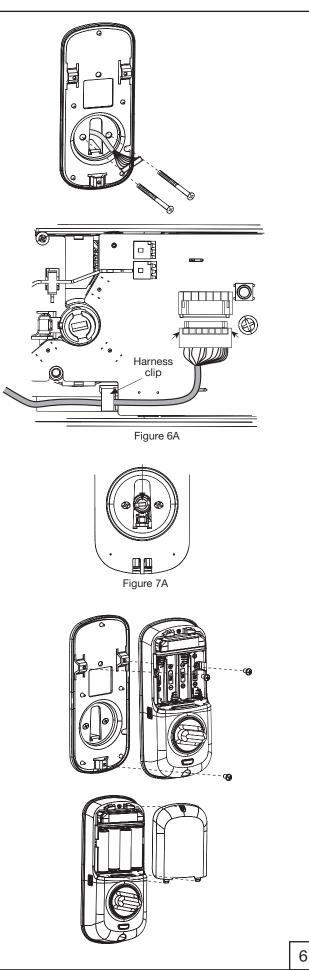
- 7. Install inside escutcheon on inside mounting plate. Note in Fig. 7A the horizontal orientation of the tail piece as you insert the inside escutcheon (thumb turn should be vertical).
- 8. Install and secure using (3) M4 x 8mm pan head screws through the inside escutcheon into the mounting plate.

IMPORTANT: Before installing the batteries, test the **mechanical** operation of the lock by using both thumb turn and the key. The movement of the bolt should be smooth and unobstructed. If operation is not smooth, review the previous steps to ensure proper installation.

 Insert four (4) AA alkaline batteries. Lock responds,
"Welcome to the Arrow Revolution" and will adjust for proper handing of the lock.

Note: Refer to programming instructions prior to completion of step 10.

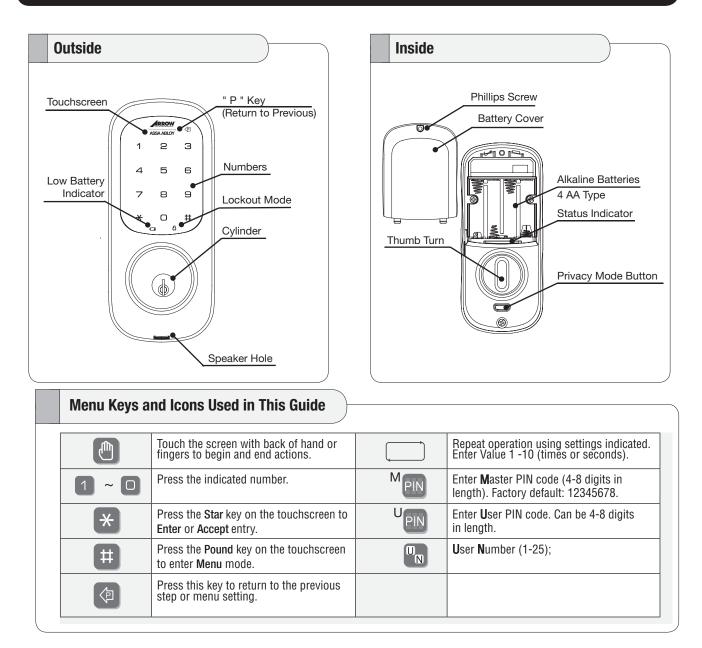
10. Install battery cover and tighten Phillips head screw.

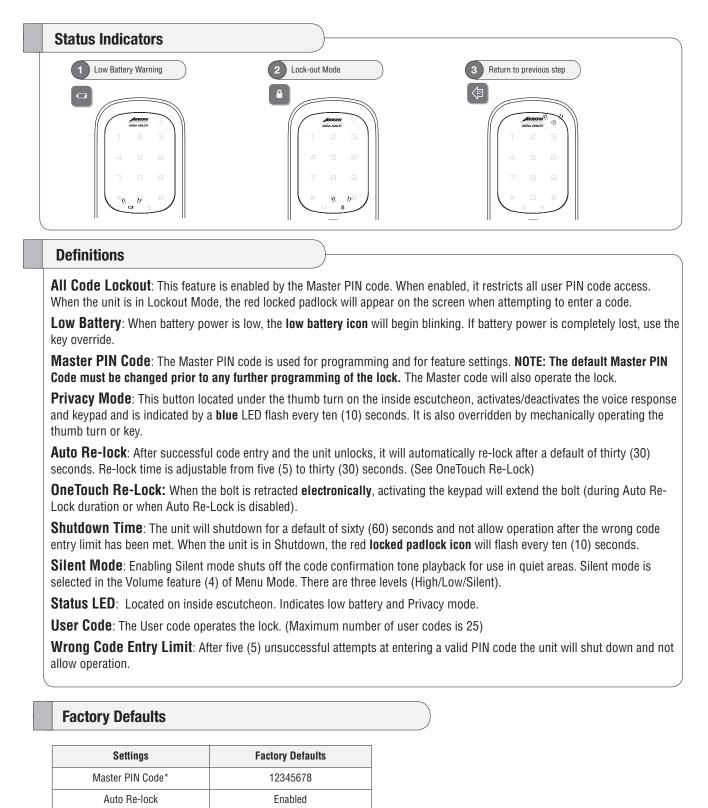


PROGRAMMING

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PROGRAMMING FEATURES - MENU KEYS - DEFINITIONS





Master FIN Coue	12343070
Auto Re-lock	Enabled
Volume	High
Auto Re-lock Time	30 Seconds
Wrong Code Entry Limit	5 Times
Shutdown Time	60 Seconds
Language	ENGLISH

*The default Master pin code must be changed prior to programming of the lock.

OPERATION

Lock Activation

The touchscreen can be activated in several ways:



Touch lock with fingers spread to activate.



Press the \bigstar key to activate.

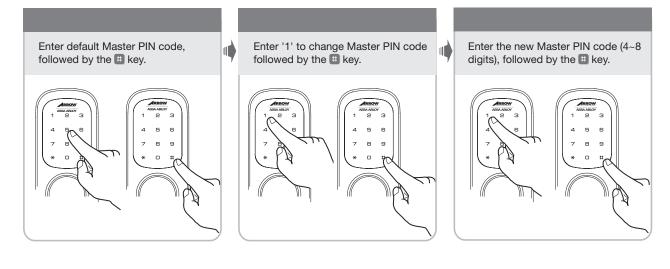


Lock Operation

Change Default Master Code Before Programming*

- 1. Touch the screen with the back of your hand or fingers to activate 🕘.
- 2. Enter the 8-digit default Master PIN code (12345678) followed by the ^{III} key. Lock Response: "Menu mode, enter number, press the ^{III} key to continue."
- 3. Enter "1" followed by the 🖽 key.
- 4. Enter new 4-8 digit Master PIN code followed by the 🖽 key.

*This step is required prior to any other programming of the lock.



PIN code structure

Maximum number of user codes is 25.

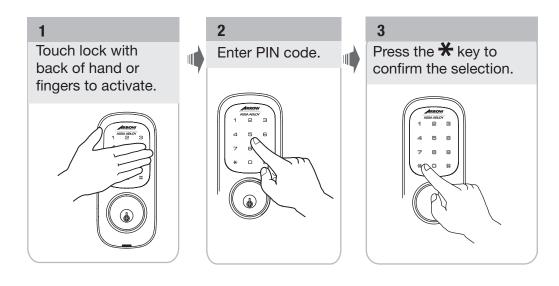
Set Up User Codes

User Codes can only be programmed through the Master PIN Code.

- 1. Touch the screen with the back of your hand or fingers to activate 0 .
- 2. Enter the 4-8 digit Master PIN code followed by the ^{III} key. Lock Response: "*Menu mode, enter number, press the* ^{III} *key to continue*."
- 3. Enter "2" followed by the III key.
- 4. Enter "1" followed by the 🖽 key.
- 5. Enter the User Number to be registered (1-25) followed by the $\textcircled{\pm}$ key.
- 6. Enter a 4-8 digit PIN code for the User Number followed by the # key.
- 7. To continue adding users press the 🖽 key.
- 8. Press the 🔀 key to complete the process and conclude the programming session.

Note: When registering User codes, the code must be entered within 20 seconds or time expires, Lock Response: "*Time expired*", no codes are registered and the process must be re-started.

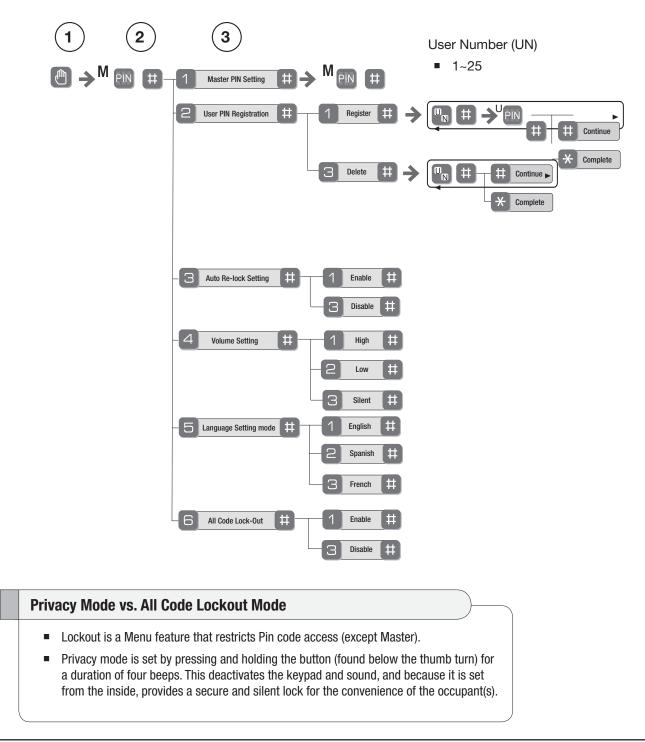
Open Door with PIN Code



Feature Programming Through Menu Mode Using Master PIN Code*

*NOTE: the Default Master PIN code must be changed prior to programming any features into the lock.

- 1. Touch the screen with the back of your hand or fingers to acitivate 🕘 .
- 2. Enter the 8-digit Master PIN code followed by the ^{III} key. Lock Response: "*Menu mode, enter number, press the* ^{III} *key to continue*."
- 3. Enter digit corresponding to the function to be performed followed by the ^{III} key. Follow the voice commands.



MISCELLANEOUS

12
12
13
14
15

Return Lock to Programming Defaults

To return the lock to programming defaults:

- 1. Disassemble the lock using pages 5 and 7.
- 2. The reset button (see arrow) is located above the PCB cable connector.
- 3. Hold down the reset button while reinstalling the batteries*.
- 4. Reassemble the lock using pages 5 and 7.

All programming should now be returned to factory defaults.

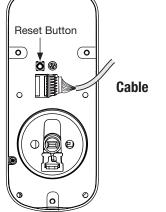
*This procedure also clears the automatic handing for the Arrow Revolution locks (see item 9, page 6).

TROUBLESHOOTING

Hardware Troubleshooting

Cycle the lock in both the locked and the unlocked positions. If problems are found:

Symptom	Suggested Action
Door is binding	a. Check that door and frame are properly aligned and door is free swinging.
	b. Check hinges: They should not be loose or have excessive wear on knuckles.
Bolt will not deadlock	a. Check for sufficient clearance of the bolt within the strike-side jamb. Correct this by increasing the depth of the pocket for the bolt.
	b. Check for misalignment of bolt and/or strike which may be preventing bolt from properly entering the strike. With the door open, extend and retract the bolt; if it is smooth, check the strike alignment.
Bolt does not extend or retract smoothly	a. Bolt and strike are misaligned, see above.
	b. Check the backset of door relative to adjustments already made to bolt.
	c. Verify proper door preparation and re-bore holes that are too small or misaligned.



Programming Troubleshooting

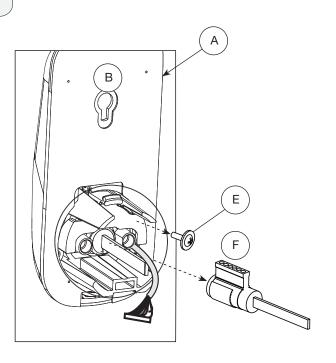
Symptom	Suggested Action				
Lock does not respond – door is open and accessible.	The touchscreen will become active when pressed with the back of hand or fingers in at least 3 areas simultaneously.				
	Use a larger area of the hand or fingers and verify contact with at least 3 areas.				
	If touchscreen numbers are visible, check to see if they respond when pressed.				
	Check batteries are installed and oriented correctly in the battery case.				
	Check batteries are in good condition; replace batteries if discharged.				
	Check to see if touchscreen cable is properly connected and not pinched.				
Lock does not respond – door is ocked and inaccessible.	Batteries may be completely dischared.				
ocked and inaccessible.	Use mechanical key to gain entry and replace batteries.				
The unit is on for a while, and then shows no reaction. Lights dim.	The batteries do not have enough power. Replace the batteries.				
Unit chimes to indicate code accep- tance, but the door will not open.	Check to see if there is another locking device on the door (i.e. deadbolt).				
ance, but the door will not open.	Check the door gaps for any foreign objects between door and frame.				
	Check that the cable is firmly connected to the PCB.				
Unit operates to allow access, but will not automatically re-lock.	If low battery indicator is lit, replace batteries.				
PIN codes will not register.	PIN codes must consist of 4 to 8 digits to register.				
	The same PIN code cannot be used for multiple users.				
	Registration/management of PIN codes is set at the authority of Master.				
	Contact the Master user.				
	User codes must be entered within 20 seconds (while the touchscreen is active) or the pro- cess will have to be restarted.				
	The star (*) or pound (#) can not be used as part of the PIN code.				
Upon entering a PIN code and press-	Lockout Mode is enabled.				
Jpon entering a PIN code and press- ng the star (*) key, the unit displays an "invalid code" error or the lock	Only the Master can enable Lockout Mode.				
times out without responding.	Contact the Master user.				
Jpon entering a PIN code and press-	Check to see if either you or your group is set at Lockout Mode.				
Jpon entering a PIN code and press- ng the (*) key, the red padlock icon appears and there are different tones.	Setting/managing Lockout Mode is up to Master. Contact the Master user.				
The unit operates, but it makes no sound.	Check to see if Silent Mode is enabled (pages 8, 11).				
The unit responds "Low Battery"	This is the voice alarm alerting that it is time to replace the batteries. Replace all four (4) bat teries with new AA Alkaline batteries.				
Upon entering a PIN code and press- ng the star (*) key, the unit responds "Wrong number of digits."	The digits entered were incorrect or incomplete. Re-enter the correct code.				

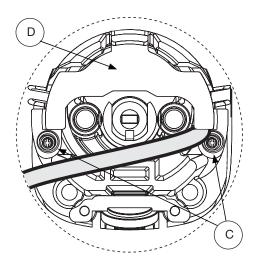
How to Replace or Install Cylinder

- 1. Remove cylinder:
 - A. Remove outside escutcheon from door.
 - B. Remove rubber gasket.

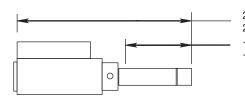
C. Remove two screws holding plastic guide in place.

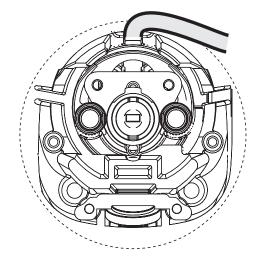
- D. Remove plastic guide.
- E. Remove screw with washer holding cylinder in place (visible after plastic guide is removed).
- F. Remove cylinder by pulling towards the door side of escutcheon.





2. Slide new cylinder into sleeve.





2-5/8" (66.5) For 6 pin cylinders, 1-3/8" thick doors 2-7/8" (73) For 6 pin cylinders, 1-3/4" thick doors ONLY 1-3/16" (30) For 6 pin cylinders, 1-3/8" thick doors 1-7/16" (36.5) For 6 pin cylinders, 1-3/4" thick doors ONLY

CAUTION: The cylinders furnished for use in 1-3/8" doors have a tailpiece that is 1/4" shorter than the standard cylinders that are furnished for 1-3/4" doors. Trying to install a standard cylinder in 1-3/8" will DAMAGE the lock body.

PIN CODE MANAGEMENT SAMPLE SHEET

PIN Code Management (Up to 25 Users)							
Location:	ocation: Door Number:		User	User Name	User #	PIN Code	
User Type	User Name	User #	PIN Code				
Master				User 13			
User 1				User 14			
User 2				User 15			
User 3				User 16			
User 4				User 17			
User 5				User 18			
User 6				User 19			
User 7				User 20			
User 8				User 21			
User 9				User 22			
User 10				User 23			
User 11				User 24			
User 12				User 25			

ONLINE LITERATURE AND TEMPLATES

For the latest information on Arrow products visit our website www.arrowlock.com

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