ALARM LOCK
345 Bayview Avenue, Amityville, New York 11701
For Sales and Repairs 1-800-ALA-LOCK
For Technical Service 1-800-645-9440
or visit us at http://tech.napcosecurity.com/
(Note: Technical Service is for security professionals only)
Publicly traded on NASDAQ   Symbol: NSSC

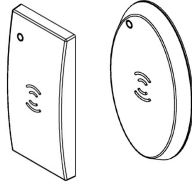# AL-APB Auxiliary Power Booster
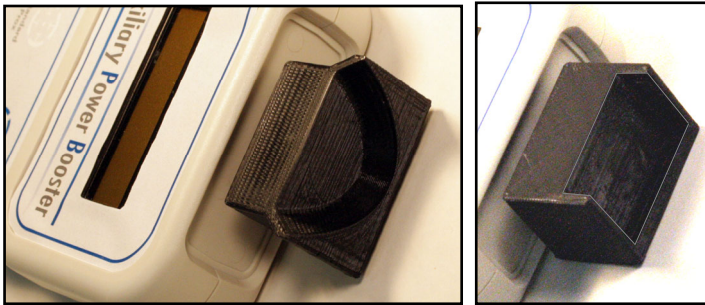## USER'S GUIDE

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DESCRIPTION

The **AL-APB** *Auxiliary Power Booster* is designed to unlock and allow entry into an ArchiTech series door lock that is unresponsive due to low batteries, dead batteries or an inoperative proximity reader.

RECTANGULAR / OVAL PROXIMITY READER

The **AL-APB** works by reading and storing the proximity data of a *valid* credential and sending this data to the lock. Simply present a valid proximity credential to the **AL-APB** reader, place the front of the unit on the existing proximity reader and press a button. The **AL-APB** sends the proximity data while simultaneously powering the lock with its inductive Power Adapter (install the appropriate Power Adapter, either oval or rectangular, to fit the shape of the existing proximity reader on the door). Always install the Power Adapter such that it can be placed on the *bottom edge* of the proximity reader, as shown:

Install the Power Adapter so it can be placed on the <u>bottom edge</u> of the proximity reader (Oval shown at left, Rectangular at right)

REQUIREMENTS

The **AL-APB** requires two items:
- Four (4) AA batteries; use lithium batteries for longer life
- A <u>valid</u> proximity credential previously enrolled into the ArchiTech lock

TURNING ON / OFF

- Turn on: Press / release the **left** button.
- Turn off: Press and hold the **left** button for 5 seconds.

```
PLACE CARD ON
PROPER TARGET
```
(must appear)

Note: The above text must appear before the unit can be powered down. If the unit is "SENDING DATA...", simply press/release the **right** button, and the "PLACE CARD ON PROPER TARGET" will appear, then you can

press and hold the **left** button for 5 seconds to power off. **Note:** The **AL-APB** will automatically power off after about 15 minutes of non-use.

UNLOCK A DOOR

The **AL-APB** is equipped with **left** and **right** buttons and a 2-line LCD display to help guide you. **Note:** Before you begin, we recommend having the valid proximity credential *in hand*. To unlock an unresponsive door lock:

1. Insert either the oval or rectangular Power Adapter into the front of the **AL-APB** (see images at left).

2. Wake up the **AL-APB**: Press / release the **left** button.

```
PLEASE WAIT
```

```
AUXILIARY POWER
BOOSTER
```

```
PLACE CARD ON
PROPER TARGET
```

3. Present a valid credential to the reader located on the face of the unit. Be sure to hold the credential over the proper type, either "**Standard**" or "**Smart**" and listen for the double-chirp (indicates a successful read).

```
PROX DATA READ
000553A0F690  36
```

```
HOLD BOOSTER
AGAINST READER
```

4. Simply place the Power Adapter flush against the *bottom edge* of the proximity reader. Observe the display:

```
SENDING DATA
CHECK DOOR
```

Listen for the lock to unlock (it may take up to 1 minute for the lock to change its state). Open the door as soon as you hear the lock unlock.

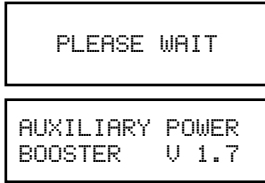If the following text appears but the lock does not unlock.

```
PROCESS COMPLETE
```

Press the **right** button to retry. If still not successful, wait 1-1½ minutes, and try again.
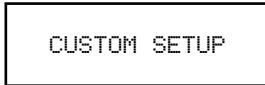
ADVANCED SETTINGS

DO NOT CHANGE these power and/or voltage settings except under the guidance of Alarm Lock Technical Support at 1-800-645-9440. To access the advanced settings:
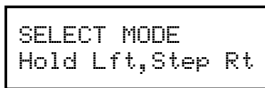
1. Power the unit: Press and release the **left** button...

```
PLEASE WAIT
```

```
AUXILIARY POWER
BOOSTER   V 1.7
```

2. When the version number is displayed, quickly press and hold **BOTH** buttons simultaneously...

```
CUSTOM SETUP
```

3. When the display reads CUSTOM SETUP, release both buttons.

```
SELECT MODE
Hold Lft,Step Rt
```

4. When the display reads SELECT MODE, you have successfully accessed the advanced settings.
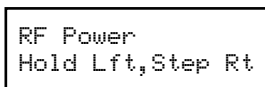
   The above "SELECT MODE" screen will conveniently remain unchanged until you make your selections; otherwise the unit will time out and power down after about 15 minutes if you do not interact with the unit.

5. To step through each item, press and hold the **left** button, and press/release the **right** button. The items will repeat, as follows:

```
┌─► RF Power
│   Voltage Setup
│   Reset All
└── Exit Setup
```

To select an item, simply release the **left** button.

For example, if you select the first item, "RF Power", the display will indicate your selection:
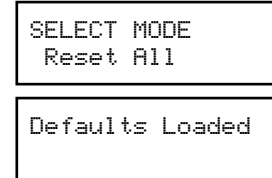
```
RF Power
Hold Lft,Step Rt
```

To scroll through each setting within each item, press and hold the **left** button, and press/release the **right** button. **Note:** Selections with "∗∗" asterisks = factory default setting. The available settings for each item are:
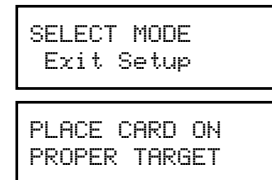
RF Power	**Voltage**
−30 dBm	50 Volts
−20 dBm ∗∗	75 Volts
−15 dBm	100 Volts
−10 dBm	125 Volts
−6 dBm	150 Volts
0 dBm	175 Volts
+10 dBm	200 Volts ∗∗
	250 Volts

Note: The dBm units (signal level relative to 1 milliwatt) is provided for those more familiar with signal readings expressed using standard radio communication terminology. The dBm units are expressed in negative numbers; therefore the **higher** the negative number, the **weaker** the signal. For example, a reading of -20 is stronger than -30.

The two other items include "**Reset All**" and "**Exit Setup**". To reset all selections in all items back to their factory default settings (i.e. **RF Power = -20 Dbm**, **Voltage = 200 Volts**), when Reset All appears, release the **left** button.

```
SELECT MODE
 Reset All
```

```
Defaults Loaded
```

To exit advanced settings, when Exit Setup appears, release the **left** button.

```
SELECT MODE
 Exit Setup
```

```
PLACE CARD ON
PROPER TARGET
```

To proceed at this point, see "**UNLOCK A DOOR**" on the previous page.

SPECIFICATIONS

Power Source............................ Four AA-size batteries. (Energizer "Ultimate" Lithium strongly recommended. Duracell Alkaline MN1500 may be used for a short period of time)

Typical Battery Life .... 100 or more uses with Energizer "Ultimate" Lithium batteries. **Note:** If batteries are weak, "REPLACE BATTERIES IN THIS UNIT" will display. Replace with fresh batteries as soon as possible.

Dimensions (WxHxD) .... 4 x 9½ x 1¼ inches .... (10.2 x 24 x 3.2 cm)

Operating Temperature............. 32°-120°F (0°-49°C)

Weight.. 16.6oz. (470g) approx, with batteries.