

APCO P-25 DIGITAL CARD

# BCi25D CARD

OWNER'S MANUAL



Uniden®

---

---

# **General Explanation of BCi25D**

---

---

The BCi25D is an APCO Project 25 Digital Card that enables you to monitor APCO Project 25 Systems. When the BCi25D card is installed into either the BC785D or the BC250D, the card converts digital voice communications into analog. This conversion allows you to monitor conversations.

Uniden's P-25 solution allows you to monitor conventional P-25 digital voice, trunked with analog control channel (3600 Baud) and P-25 digital voice and mixed-mode analog control channel (3600 Baud) with mixed analog and P-25 digital voice.

---

---

## **Where to Obtain More Information**

---

---

- Uniden Parts Department  
(800) 554-3988 (Hours are from 7:00 a.m. to 5:00 p.m. Central Time Monday through Friday.)
- Local Dealer

### **Information on the Internet**

If you have access to the internet, you may want to visit one of the following websites for additional information:

**[www.scanner.uniden.com](http://www.scanner.uniden.com)**

**[www.bearcat1.com](http://www.bearcat1.com)**

---

---

## Precautions for Installing the APCO P-25 Card

---

---

1. Do not touch the APCO P-25 card without first removing the static electricity from your body. To do this, touch any metal object to release the static electricity build-up before you touch the P-25 card.
2. Turn OFF the scanner, before inserting the P-25 card into the slot.
3. Hold the P-25 card by its edges when inserting it into the slot.
4. Do not touch any of the terminals. The P-25 is a sensitive electrical device.
5. Do not operate with an open expansion slot door. This exposes the circuitry to dust and other environmental particles that causes the unit to function improperly.
6. Be sure to install the P-25 card facing up as shown below.



---

---

# APCO Project 25 Reception

---

---

APCO Project 25 is a modulation process where voice communications are converted into digital communications. This conversion is similar to the technology used with digital mobile phones. There are several types of Project 25 systems available!

- Conventional – one frequency with digital voice.
- Trunked with analog control channel and digital voice – many frequencies shared by many departments and the control channel is analog with digital voice. Control channel operates at 3600 Baud.
- Mixed Mode - trunked system with analog control channel alternating / mixing analog and P-25 digital voice communications.

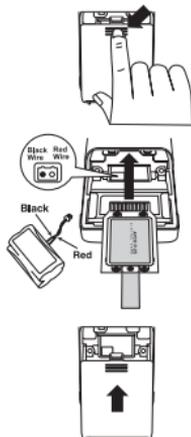
**Note:** Install the APCO card face up (the side which has “APCO P-25 DIGITAL CARD” label.)

: Do not install the APCO card with the AC Adapter connected.

## Installing the APCO P-25 Card

### For BC250D

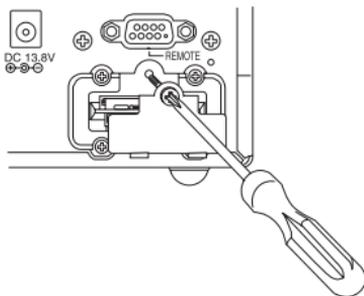
1. Turn OFF the scanner, and open the cover.
2. Carefully unplug the battery pack.
3. Insert the P-25 card with the label facing up as shown until it clicks into place.
4. Carefully connect the battery pack, matching the red and black wires with the corresponding red and black plug diagram.
5. Replace the cover and press down until it clicks into place, and then turn ON the scanner. To monitor APCO P-25 systems, please refer to the BC250D operating guide.



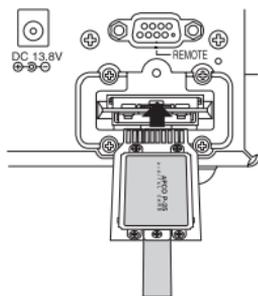
## For BC785D

The slot for installing the APCO P-25 card is located under the remote control terminal on the rear of the scanner.

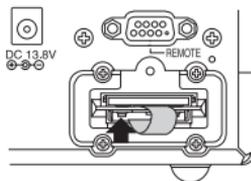
1. Turn OFF the scanner. With the screwdriver included with your BC785D, take off the center screw and remove the expansion slot door.



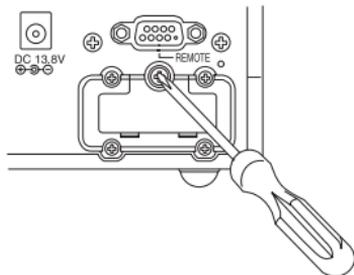
2. Insert the APCO P-25 card with the label facing up as shown. Be sure the card is inserted into the slot all the way.



3. Inset the ribbon into the space under the card.



4. Replace the cover and tighten the screw.



5. Turn ON the scanner. To monitor APCO P-25 systems, please refer to the BC785D operating guide.

---

---

# Troubleshooting

---

---

If your APCO P-25 card is not performing properly, try the following steps.

| Problem   | Suggestion  |
|---|---|
| APCO P25 CARD NOT INSTALLED appears when the scanner is turned ON.                                    | Check to see if the P-25 card is properly installed.                          |
| Neither APCO P25 CARD INSTALLED nor APCO P25 CARD NOT INSTALLED appear when the scanner is turned ON. | Check to see if the P-25 card mode is 1:ENABLE or 2:DISABLE in the Menu mode. |
| CARD ERROR appears every 10 seconds while you are using the P-25 card.                                | Re-install the P-25 card.   |

If you still cannot get satisfactory results while using your P-25 card or if you want additional information, please call or write the Uniden Parts and Service Division. The address and phone number is listed in the warranty at the end of this manual.

If you would like immediate assistance, please call Customer Service at (800)297-1023. (Hours: M-F 8:00 AM to 5:00 PM CST.)

If you have internet access, you can visit

**[www.scanner.uniden.com](http://www.scanner.uniden.com)**

for additional information.

---

---

# One Year Limited Warranty

---

---

**Important:** Evidence of original purchase is required for warranty service.

**WARRANTOR:** UNIDEN AMERICA CORPORATION (Uniden)

**ELEMENTS OF WARRANTY:** Uniden warrants, for one year, to the original retail owner, this Uniden product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

**WARRANTY DURATION:** This warranty to the original user shall terminate and be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owners manual for this product.

**STATEMENT OF REMEDY:** In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

**LEGAL REMEDIES:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

**PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY:** If, after following the instructions in the owners manual you are certain that the product is defective, pack the Product carefully (preferably in its original packaging). The product should include all parts and accessories originally packaged with the Product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

UNIDEN AMERICA CORPORATION  
Parts and Service Division  
4700 Amon Carter Boulevard  
Fort Worth, TX 76155

(800) 554-3988, 7 a.m. to 5 p.m. Central Time, Monday through Friday

May be covered under one or more of the following Uniden U.S. Patents.

|           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|
| 4,398,304 | 4,409,688 | 4,455,679 | 4,461,038 | 4,521,915 | 4,597,104 |
| 4,627,100 | 4,841,302 | 4,888,815 | 4,932,074 | 4,947,456 | 5,014,348 |
| 5,199,109 | 5,408,692 | 5,428,826 | 5,438,688 | 5,448,256 | 5,465,402 |
| 5,471,660 | 5,483,684 | 5,530,296 | 5,548,832 | 5,551,071 | 5,574,995 |
| 5,577,076 | 5,598,430 | 5,600,223 | 5,642,424 | 5,710,992 | 5,859,875 |
| 5,896,422 | 5,991,346 | 5,991,603 | 6,012,158 | 6,025,758 | 6,034,573 |
| 6,064,270 | 6,266,521 |           |           |           |           |

\* U.S. Patent Number 4,841,302 is licensed from Gray Electronics, Inc.

## DVSI Patent Notice

The IMBE™ voice coding technology embodied in this product is protected by intellectual property rights including patent rights, copyrights and trade secrets of Digital Voice Systems, Inc. This voice coding technology is licensed solely for use within this communication equipment. The user of this technology is explicitly prohibited from attempting to decompile, reverse engineer, or disassemble the object code, or in any other way convert the object code into a human-readable form.

## Important Notice

Changes or modifications to this product are strictly prohibited, or operation of this product in any way other than as detailed by this owner's manual could void your authority to use this product.