

UNDOCUMENTED UNIDEN® BCD396T APCO25 DIGITAL SCANNER FACTORY TEST MODES, SOME OF THESE TESTS WILL REQUIRE VARIOUS BENCH TEST MEASURING EQUIPMENT, SUCH AS SIGNAL STRENGTH METERS, SIGNAL GENERATORS, DIGITAL AND ANALOG MULTIMETERS, DATA RECORDERS, SERVICING DIAGRAMS, EXPECTED TEST VALUE AND THRESHOLDS, ETC...

CAUTION: USE AT YOUR OWN RISKS!

Note: Yellow highlighted key combinations also apply to the Uniden® BC-RH96 Remote Head.

[Press] + "On"	Test	Remarks / Display
0 + 1 + Hold 0 + .No + Hold 2 + .No + Hold	RS232C Test	RS232C Serial Interface Test. Initial Test Screen displays: ----- ERROR Requires a loopback serial cable or null modem to run properly on BCD-396T. (Use the supplied serial cable connected from back to the bottom for Remote Head).
0 + 1 + Func 0 + 1 + 2 0 + 2 + .No 1 + 2 + .No	On-Air Test	ON-AIR CLONING FREQUENCIES TEST 151.8200 ----- Press [Hold] to change On-Air Frequency under test: 467.8500 ----- 857.2000 ----- 40.8400 -----
0 + 3 + Hold 0 + E + Hold 2 + E + Hold	Frequency Bands Test	800MHz+ Band, Close-Call ON, [Scroll] to select band under test: VHF Lo1 Band VHF Lo2 Band Air Band VHF Hi1 Band VHF Hi2 Band UHF Band
0 + 3 + Scan 0 + 6 + Hold 5 + E + Hold	Key Touch Test	KEYPAD VERIFICATION TEST Verify the keys touched. (Note: F1, F2 and F3 keys on Remote Head do not work "in remote mode" when using BCD396T Firmware Ver. 1.11.03 or below).
0 + 1 + 9 0 + 3 + 7 2 + 9 + .No 3 + 8 + .No	LCD Pixels Test	LCD PIXELS TEST (aka LCD Segment Test) Initially, all LCD pixels in the LCD matrix are turned ON . This verifies the proper operation of the LCD matrix. Press Illumination [ON] and check for dead pixels. Any other keys pressed reverts back to the Key Touch Test, see above.
1 + 2 + 9 1 + 3 + 8 1 + 8 + 9 2 + 3 + 7 2 + 7 + 9	Systems Tests	Press the [Menu] button to access 1 to 4 systems options: 1: [Hold]: MOT TEST [VOICE], [Scan]: MOT TEST [CTRL] 2: [Hold]: EDACS WIDE [VC], [Scan]: EDACS WIDE [CT] 3: [Hold]: EDACS NARROW [VC], [Scan]: EDACS NARROW [CT] 4: LTR TEST note: tests 1, 2 & 4 @ 851.0125MHz, test 3 @ 894.0125MHz.
1 + 5 + 9 1 + 6 + 8 2 + 4 + 9 2 + 6 + 7 3 + 4 + 8	Frequency Step Tests	SRC TST 5K, press [Hold] to Scan/Hold, [#] to select Step/Band: 1. SRC TST 5KHz 144.0000MHz to 144.1000MHz NFM 2. SRC TST 6.25KHz 145.0000MHz to 145.1000MHz NFM 3. SRC TST 7.5KHz 173.0000MHz to 173.1000MHz NFM 4. SRC TST 8.33KHz 127.0000MHz to 127.1000MHz NFM 5. SRC TST 10KHz 35.0000MHz to 35.1000MHz NFM 6. SRC TST 12.5KHz 511.9000MHz to 512.0000MHz NFM 7. SRC TST WFM 196.7500MHz to 198.7500MHz WFM 8. SRC TST AM 136.0000MHz to 136.1000MHz AM 9. SEARCH RATE TEST 144.0000MHz to 145.0000MHz FM 0. DATA SKIP TEST 144.0000MHz to 145.0000MHz FM

1 + 3 + L/O 1 + 9 + L/O 1 + 9 + Hold 3 + 7 + L/O 3 + 7 + Hold 7 + 9 + Hold	Dump Test	EEPROM DUMP TEST. This is the EEPROM Memory Dump Test Routine. Initial EEPROM Memory Locations set to 00000:FF Hex. EEPROM Memory Locations to be dumped to a data recorder are selected by pressing [.No] and [Scroll] keys for Most Significant Bit (MSB) and Least Significant Bit (LSB) of the Hex memory location you wish to dump to recorder.
2 + 6 + L/O 2 + 9 + Scan 3 + 8 + Scan 5 + 9 + Hold 6 + 8 + Hold 3 + 5 + L/O	Loads Test Frequencies in memory	WARNING: THIS WILL ERASE YOUR PROGRAMS. Previously programmed memories erased. Displays LOADING TEST DATA, then loads 4 new conventional systems in GQK 1, 2, 3 and 4 of SQK 1.
2 + 5 + 9 2 + 6 + 8 2 + 6 + 9 3 + 5 + 8 3 + 5 + 9 3 + 6 + 8	Firmware Version EEPROM Checksum	LOAD TEST DATA then displays "Version X.XX.XX EXXXXH Displays the current Firmware Version & EEPROM Checksum in Hexadecimal. This value will vary depending upon which Firmware Version is installed in your unit.
0 + 1 + 3 0 + 3 + .No 2 + 3 + .No	NWR-SAME Test WX Alert Test	WARNING: AUDIO ALERT LEVEL TEST TONES ARE SET AT MAXIMUM ALERTING VOLUME, PLEASE ENSURE THE HEADPHONE JACK IS NOT CONNECTED TO YOUR COMPUTER SPEAKERS OR HEADPHONES. Press [Hold] to select 1 of 2 Alert Tests: NWR-SAME or WX ALERT Press [Menu] to test S.A.M.E alerts @ 162.4000MHz Press [Menu] to test WX ALERT @ 1050Hz Press [Menu] to end tests.
1 + 4 + 8 1 + 5 + 8 2 + 4 + 7 2 + 4 + 8 2 + 5 + 7	Batt. Save Test	Press [Hold] to change between low power and high power Battery Save Test. OFF (RF_PWR = H) ON (RF_PWR = L)
2 + 3 + L/O 2 + 9 + L/O 2 + 9 + Hold *** 3 + 8 + L/O 3 + 8 + Hold 8 + 9 + Hold	All Memory Clear	WARNING: THIS WILL ERASE YOUR PROGRAMS. Initializes the scanner memory. You will then have the option to select the factory setting "Pre-Load" of all systems. At the prompt, press [Yes] or [No] to load all factory pre-loaded systems. *** Documented in the User's Manual.
1 + 6 + L/O 1 + 9 + Scan 3 + 4 + L/O 4 + 9 + Hold 6 + 7 + Hold	Scan Rate Test	WARNING: THIS WILL ERASE YOUR PROGRAMS. Loads and scans a large conventional test system in memory. Programs every frequency between 144.0000MHz and 163.9800MHz in steps of 20KHz. Total memory usage: 13%
6 + 9 + Scan 6 + 9 + L/O	Backlight Test	Remove power or one battery to terminate the Backlight Test.
Hold + Scan + L/O	Tone-Out Test	WARNING: THIS WILL OVERWRITE YOUR PROGRAMMED FTOs. Loads 10 Fire Tone-Out Test Frequencies, ranging from 137.0000MHz to 146.0000MHz, at FTO memory locations 1 to 10. All Tones A = 1000Hz, All Tones B = 2000Hz. Press [Hold] to switch between Test and Hold. Press [Scan] to resume normal scanning, minus your programmed FTOs.

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USE AT YOUR OWN RISKS!