

BC40XX UV Counterfeit Detection

The BC40XX Radio Base is available with a UV Counterfeit Money Detector, typically used to verify the authenticity of bank notes. Other uses for counterfeit detection are passport, ticket, credit card, travelers' check and similar applications where it is possible to detect fluorescent marks with UV light.

The detector contains eight special UV LEDs, as shown:



The Counterfeit Detector is based on UV fluorescent emission. Real banknotes under ultraviolet rays usually absorb the UV light and will show special marks made with fluorescent inks. However, most counterfeit banknotes only reflect the UV lights, without showing fluorescent marks.

To use the Counterfeit Detector:

1. Quickly press the Base button to light the UV LEDs.
2. Hold the item to be verified under the LED lights as shown below, to ensure that the special fluorescent marks are visible.



3. The LEDs are set to switch off automatically after about two minutes. To keep the UV LEDs in always-on mode, quickly press the Base button a second time within 10 seconds of the first press.
4. To switch the LEDs off manually, simply press the button again.



An external power supply is necessary for full functionality of the Radio Base Station with UV Counterfeit Detector. Use only the recommended AC adapter 12Vdc.

Patents

This product may be covered by one or more of the following patents.

Design Patents: CN ZL201030175545.9; EP1177943; USD629003.

Additional patents pending.

