

## Re-Teaching Coin Recognition in SR3 Validator

The following provides a brief set of instructions on how reprogram coin recognition in the SR3 Coin Validator of the BCT Kiosk.

**NOTE: BEFORE MAKING ANY CHANGES TO THE SR3 VALIDATOR, ENSURE THAT THERE ARE NO APPLICATIONS RUNNING**

### SR3 Validator

The SR3 validator can be found with different formats. ALL SR3 Validators have two banks of 6 channels, which can be configured for coins or tokens.

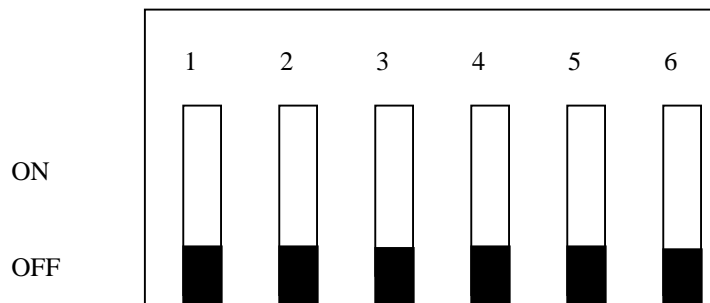
*NOTE: The Validator will only accept coins when it is in an upright position. If the mechanism is more than 2° off vertical then it will not work correctly, and will result in poor coin recognition as well as failing to reprogram correctly. Before Reprogramming the validator due to poor acceptance rates check that it is mounted correctly and that the unit is vertical*

SR3 Validators supplied by Blue Chip Technology can be found with the following configurations, which are shown on the Label attached to the validator

	Option 1	Option 2	Option 3
Bank 1	UK Coins	Euro Coins	UK Coins
Bank 2	Not Programmed	Not Programmed	Euro Coins

Although, there is the option to have both banks programmed with coins, the current Interface Box will only accept coins from one bank, so if Option 3 is being used, then the correct Bank must be selected as per Table 1 below.

#### Diagram1: Program Switch Bank – 6 Way Dil Switch



## Enabling a Specific Bank

Table 1 - SR3 Dil Switch Guide for Enabling/Disabling Banks

SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	FUNCTION
	ON					Enable bank 1 and bank 2
ON	ON					Enable a coin
			ON			Disable alarm
ON			ON			Enable alarm
	ON		ON			Erase all windows ( Step 1 )
ON						Erase all windows ( Step 2 )
ON	ON		ON			Inhibit a coin
		ON	ON			Enable bank 1 only
ON		ON	ON			Enable bank 2 only

To enable specific banks the steps below should be followed using the 6 way Dil Switch (See Diagram 1)

### Bank 1 Only

With power off. Set switches 3 and 4 ON all other switches should be OFF

Power ON (by connecting ribbon cable)

Press the reject lever

Power OFF (by disconnecting ribbon cable)

Reset switches to the OFF position. Both banks are now enabled.

## Inhibiting Coins

SR3 Validators have all 6 channels in a bank programmed for a specific coin, and when shipped from the factory all these channels are enabled. Specific customers may require that Coin Validators only accept certain coins. In this case, coins that are not required should be inhibited as follows

### To set Inhibit Specific Coins mode

1. Adjust Program Dil switches to 1= ON, 2= ON, 3= OFF, 4= ON.
2. Press the reject lever.
3. Insert specific coins to be inhibited and check that they are accepted.
4. Press the reject lever to return to operational mode

*For Example:*

To inhibit 50p and 20p.

1. Adjust Program Dil switches to 1= ON, 2= ON, 3= OFF, 4= ON.
  2. Press the reject lever.
  3. Insert 50p and 20p and check that they are accepted (pass through the accept channel)
- Press the reject lever to return to operational mode

Single or multi coins can be inhibited using this configuration.

## Re-Teaching Coin Recognition on a channel

For each channel there is a small window of tolerance with which the channel will recognise coins. Due to situations such as coin jams, and worn coins, the coin mechanism can lose its ability to these coins, resulting in poor acceptance rate. In a lot of cases, by re-teaching the channel the coin it should be recognising, then the acceptance rate can be improved.

The specific coin channel required to be changed is selected using the 6 way Dil slide switch (see Diagram 1). Switch positions 1 to 4 determine the coin position selected.

**Table 2a:** Teach and Run Programming – Bank 1

BANK 1

Coin Number	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5	Switch 6
1	Off	Off	Off	On	On	Off
2	Off	Off	On	Off	On	Off
3	Off	Off	On	On	On	Off
4	Off	On	Off	Off	On	Off
5	Off	On	Off	On	On	Off
6	Off	On	On	Off	On	Off

**Table 2b:** Teach and Run Programming – Bank 2

BANK 2

Coin Number	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5	Switch 6
1	Off	On	On	On	On	Off
2	On	Off	Off	Off	On	Off
3	On	Off	Off	On	On	Off
4	On	Off	On	Off	On	Off
5	On	Off	On	On	On	Off
6	On	On	Off	Off	On	Off

For Example

**To teach channel 5 Bank 1 for £1.**

Adjust Program slide switches to 1=OFF, 2=ON, 3=OFF, 4=ON.

Set switch position 5 Teach to 'ON',

Set the switch position 6 Security to 'OFF'.

Power On by connecting the Cable

Press the Reject Flap and the LED turns RED.

Start dropping £1 coins into the mechanism until the LED flashes GREEN. Typically after 10 coins.

(Note that the coins will pass through the reject channel)

Press the Reject Flap and the LED turns GREEN.

The window has been programmed.

Power off by removing cable and return all switches to the OFF position

Follow above procedure for each channel, which has poor acceptance rate

Note 1: When re-teaching coin recognition, a selection of coins should be used and should consist of coins which have previously been rejected as well as some which have been accepted typically in a 50/50 mix

Note 2: The first coin inserted after teach and run may reject. Subsequent coins should accept.

Once all channels have been reprogrammed, set all switches to OFF and retest the coins using the Application. If acceptance rate is still poor, then a new mechanism may be required