1. <u>Congratulations</u>

Thank you for purchasing the **uSALT, a SALT(SC77627) replacement module**, another one of the fine products offered by Cloud-9. This product was designed to be used with the Tandy Color Computer 2/3 exclusively. This product should work in any SC77627 replacement but each application would have to be reviewed as the current limit/foldback will vary in each application.

2. <u>Installation</u>

The following is a step by step instruction guide on how to install your new **uSALT, a SALT(SC77627) replacement module** into your system. Before you start, make sure that you have the AC power plug removed from the wall. If a multi-pack is present, make sure that the power is removed before removing it from the CoCo's cartridge port. Make sure that you have a static free area when performing this installation.

Required Tools
1. Phillips screwdriver
2. Lead cutter
3. Soldering iron with solder sucker / desoldering tool
4. ESD Wriststrap

Inventory List
1. Qty 1, a SALT(SC77627) replacement module
2. Qty 1, 16 pin machine style socket
3. Qty 2, Small jumpers for R16 and R17
4. Qty 1, Large jumper for R15

NOTES:
1. DO NOT try to attempt to remove U8 and the related components without removing the EMI/RF shield.
2. Observe ESD procedures, uSALT is an ESD sensitive device.

Procedure
1. Remove all screws on the bottom of the computer. Note that the shorter screws are removed from the front of the computer by the keyboard.
2. Remove the top half portion of the Color Computer.
3. Remove the keyboard carefully by unplugging the mylar.
4. Unplug the transformer from the motherboard at CN7.
5. Remove the motherboard from the bottom half of the computer by removing the two cartridge port screws and the two screws in the front of the motherboard.
6. Turn over the motherboard and remove the EMI/RF shield by removing all the pins.
7. Locate, remove(cut/desolder) U8, the SALT IC.
8. Solder the 16 pin machine socket into U8's location.
9. Locate and remove(cut) R66, D6 and D7. These components are located below U8.
10. Locate, remove(cut/desolder) R15, R16 and R17. These components are located below and to the right of U8.
11. Insert the large jumper into the location of R15.
12. Insert the small jumpers into R16 and R17 locations.

13. Reinstall the EMI/RF shield.
14. Reinstall the motherboard into the lower half of the case and install the two front screws and the two cartridge port screws with the ground clips installed.
15. Plug in the transformer at CN7.
16. Install the new **uSALT, a SALT(SC77627) replacement module** in to the installed machine socket. Observe pin 1 and install accordingly.
17. Please refer to Figure 1. Installation should appear like this.
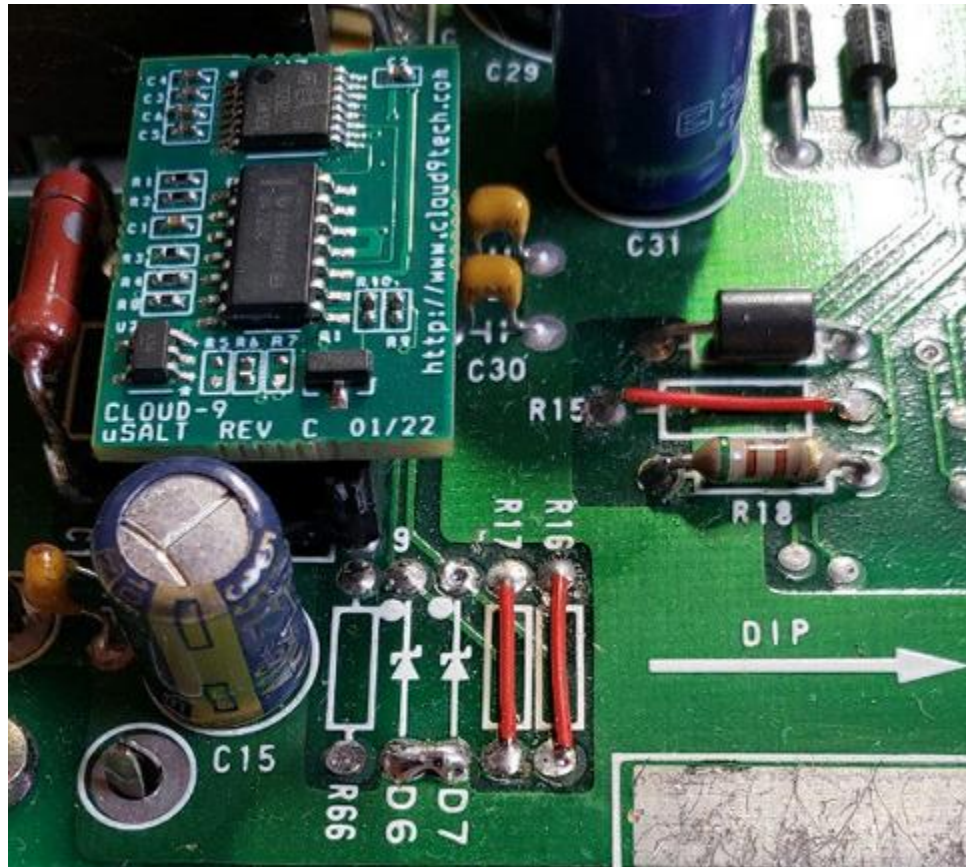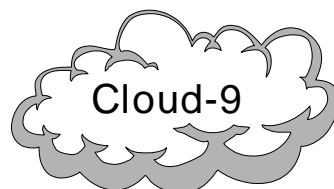

Figure 1

18. Close the cover and replace the screws that were removed in step #1. Watch the screw lengths; the longer case screw go to the rear.

Any questions, please contact mark@cloud9tech.com