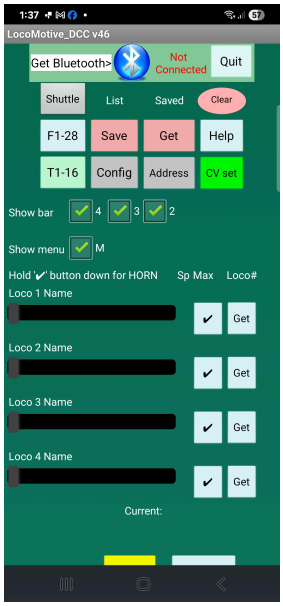
LocoMotive DCC - v48 - for loc0 address 1 to 127 - **App Operating instructions**

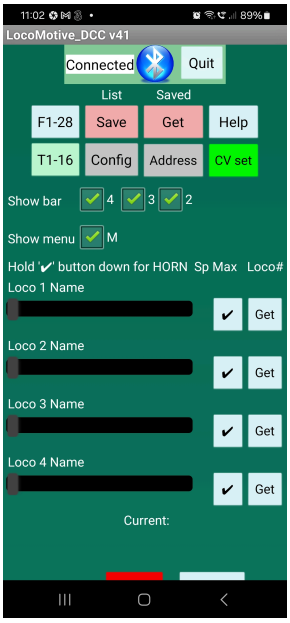


This App is available on the Google Play Store: Search for "LocoMotive DCC" see links below.



Go to Bluetooth settings on your phone/tablet and pair using ID of the DCC245 Bluetooth module on hardware circuit. The password is 1234

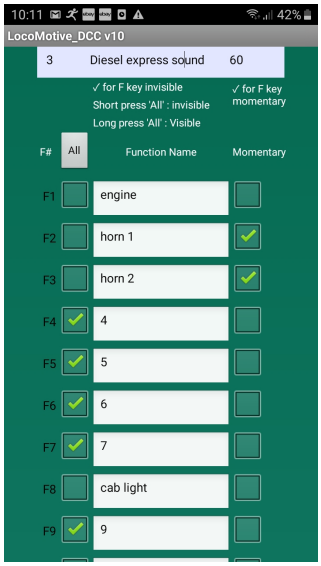
Once paired, press
'Get Bluetooth' at top of screen and select the DCC245 module from the list.



The screen should now look like this.
The 'Get Bluetooth' Label changes to 'Connected'
Select **'Get'** under 'Loco#' heading then pick the loco number from the list displayed.
If you select '3' you now have control over loco with address number 3 on your layout.
The '✔' indicator will turn red '✔' to indicate this loco is currently under control
When the '✔' button is long pressed, the horn function (F2) will be momentarily be activated.

To give this loco a name and to configure its functions press the **'Config'** button.



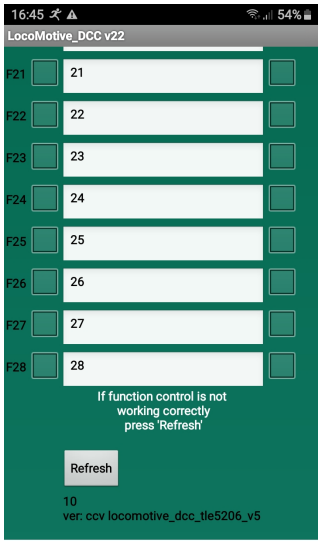


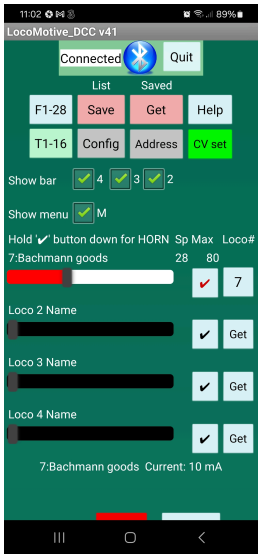
You are now on this layout.
With '3' displayed under Loco# enter the required name of your loco and set a maximum speed if desired.

If there are no functions on this loco to control, select 'All' which ticks all of the 1 to 28 function boxes.
If you have say F1 for starting an engine sound, this function can be unticked and given its name as shown.

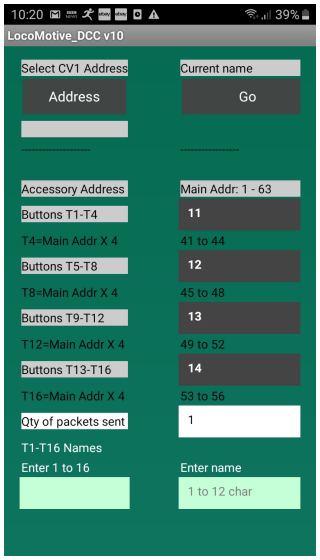
To make a function operate 'momentary' simply tick the required box on the right hand side as shown for F1 and F2 (horn sounds)

Press the 'Refresh' button to clear any fault found in the function controls.



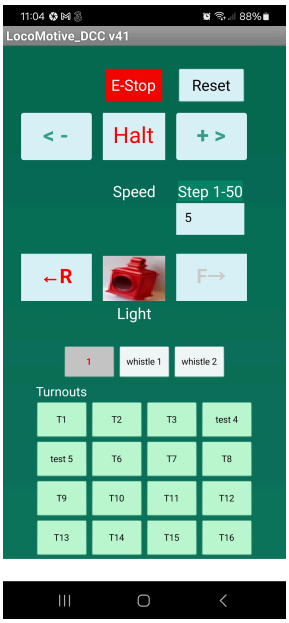


If you want to set the CV1 address of a loco press **'Address'**
You are now on this layout —>

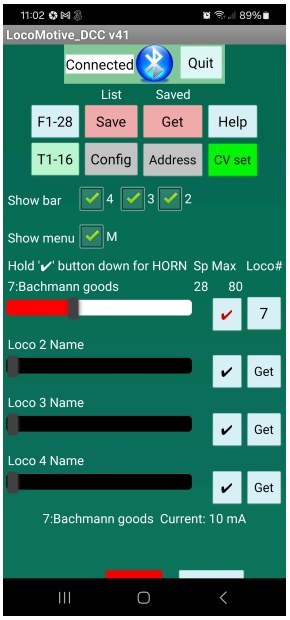


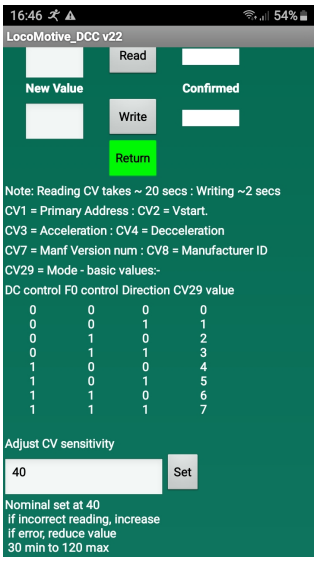
Select **'Address'** number you require (1 to 127) and press **'Go'.**
Alternatively, use '**CV Set'** layout and write the loco address (1-127) directly into CV1
If the address has been programmed, a message will tell you so.
The loco will move slightly to indicate good connection and successful programming.

For accessory switching, the default main addresses are given as 1. 2, 3 and 4 which will operate decoder addresses 1 through 16. These may be changed to suit your accessory decoder for turnouts/points etc. Example here shows main address of 11 to 14 which will operate decoder addresses 41 through 56
The number of packets sent to DCC system may be changed by entering 1 to 5 in 'Qty of packets sent'.
The names on buttons T1 to T16 may be edited here also.



Back to the main layout,
To reverse loco direction use **'F'** and '**R**' arrow keys.
'**Halt**' to stop.
The '**<-'** Speed '**+>'** buttons allow fine control of the current selected loco speed.
Short press changes speed by +/- 'Step 1-20' single step
Long press changes speed incrementally by +/- 'Step 1-20' in multiple steps.
The directional lights on the loco are switched on/off by pressing the lamp symbol shown.
'**E-Stop'** is for emergency stopping of all locos.
Press **'Reset'** to start up again.
If there is a short circuit or over load (>2 amps) the system will shut down and a message displayed. Clear the fault and press '**Reset"**
To access the accessory switches press **'T1-T16'**
Press **'F1-F28'** to remove display of T1 to T 16
To access the CV Read/Write screen, press the **'CV set'** button.





You are now here.
With the loco on the programming track, connect a 47 ohm 1 watt resistor in series with one of the output wires of controller to the program track.
Enter the CV number you want to read or write into the **'ENTER CV# 1-1024'** box
Press **'Read'** button and the value will appear in the **'CV value'** box
To change this value, enter the new value for this CV into the **'Enter New Value'** box.
Press **'Write'** button.
When complete the '**Confirmed'** box will show the result.
A selection of commonly used CVs are listed along with basic values for CV29 and how they affect control of DC operation, F0 active, and loco direction.
When reading a decoder, the sensitivity may need to be adjusted in the box named 'Adjust CV Sensitivity'
(See fault finding notes)

Bill Cuthbert, November 2025

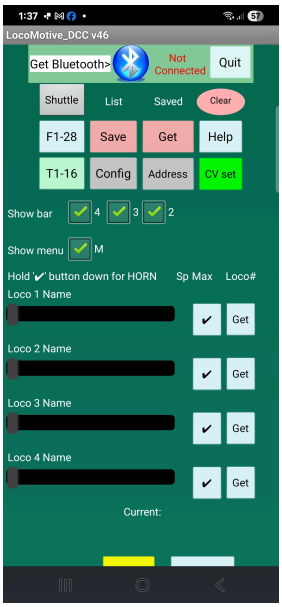
Easy Start:

1. Download the App on Google Play Store on to your phone. Search for Locomotive DCC
It has this icon attached to the download screen.



https://play.google.com/store/apps/details?id=appinventor.ai_bill_falkland.LocoMotive_DCC

2. When the App is downloaded, open it and the first screen looks like this



3. Plug in the 15v power supply to the DCC Controller and connect 2 wires from the output connector to your track.

4. Go to Settings on your phone, then Connections and Bluetooth
Scan for Bluetooth devices and DCC245 should be found
Enter the password 1234

5. Go to the App on your phone. Press Bluetooth icon at top of screen.
A list of nearby devices should appear.
Select the one with DCC245

6. The message at the top of the screen should say ‘Connected’

7. The address of your loco should be 3 (default for all new decoders fitted into trains)
On the App, Press any of the 4 ‘Get’ buttons
Select 3

8. You should be back to the main screen now. Move the speed bar with address 3 showing on the left hand side. The loco should now move.

Please contact me at bill.falkland@gmail.com for further assistance.