

## dcar

Visualize the multiple 1D data and edit it.

	Data format name	File extension
Input data	multiple 1D data	car.bt,...
Output data	timing file/car file	bit/car

```
>dcar
----- dcar (draw graph for the car file) Ver.0.04 -----
usage: dcar input-file (bit-file) (nc)

input-file : car2 file name/text file name(txt1DIGRDIRFrtc)/fid file name
bit-file : bit file name
nc : number of the channels to be shown
ex) $>dcar 121212_12.car<RET>

$>dcar 121212_12.car respir.peak.bit 3<RET>
```

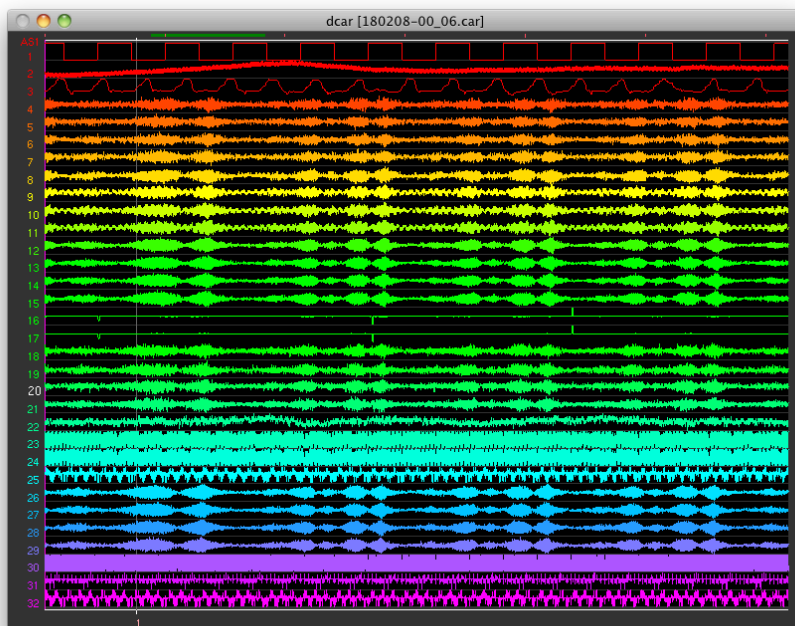
### Key control:

- Up arrow: Move one page up(channel shift)
- Down arrow: Move one page down(channel shift)
- Left arrow: Move one page backward(90% shift)
- Right arrow: Move one page forward(90% shift)
- 4: Move the cursor backward(1 pixel step)
- 6: Move the cursor forward(1 pixel step)
- 7: Move the cursor backward
- 9: Move the cursor forward
- 5: Output the current cursor position
- 0: Output the values at the current cursor position
- a: Autoscale mode(as1/as2/off)
- : Overlay mode(on/off)
- b: Verbose mode(on/off)
- M: Marker mode(on/off)
- m: Set milestone
- r: Retrieve milestone
- space: Put/Delete the marker
- 0: Clear all markers
- 1: Move the cursor to the previous marker
- 3: Move the cursor to the next marker
- +/-: Toggle the value display modes
- o: Save the bit file
- s: Save the selected time range as a file
- p: Toggle the point display modes
- >: Increase the line width or the point size
- <: Decrease the line width or the point size
- q: Quit the program

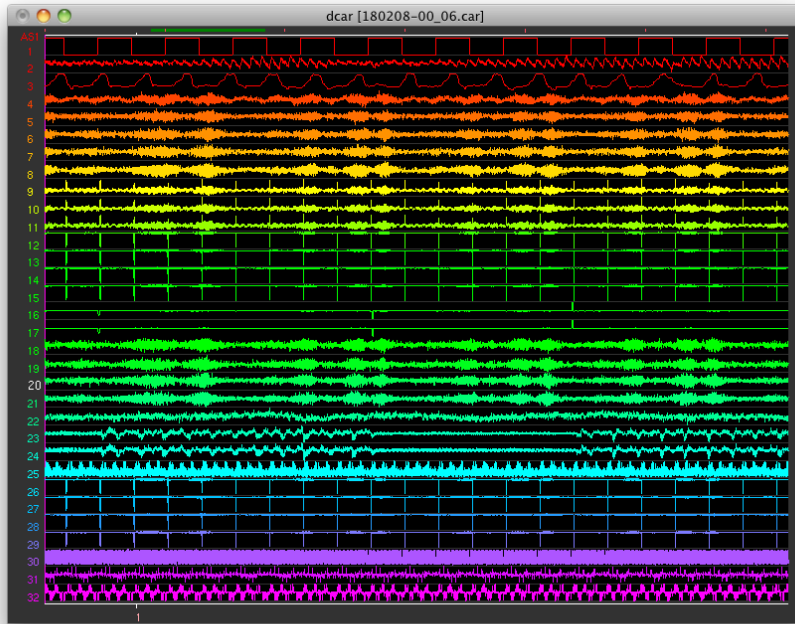
Compiled [May 26 16:40:25 2017] Edited [May 26 16:12:18 2017]

### Example

Gradient noise removal & peak timing detection  
>dcar 180208-00\_06<RET>



Hit 'N' key to remove the gradient noise



Now you can see the hidden signals(e.g. ch2, 15,23 etc.)

Hitting 'H' key makes detection of heart beat timing and hitting 'R' key makes detection of respiration timing after the gradient noise correction.

