

Dash Express

User manual



Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

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Chapter 1 Dash Express

Dash Express is the smartest Internet-connected automotive navigation system on the road. In fact, it's the first and only navigation system with built-in two-way connectivity. Which means it gets you where you want to go—in the fastest time possible—and delivers the most relevant information—right to your dashboard. Plus, Dash Express is the only device on the market that automatically and wirelessly updates its software and features, so all you have to do is drive.

With Dash Express you can:

- Know the best routes around traffic using up to the minute information provided by the Dash Driver Network
- Find virtually anything—nearby or near your destination—using Yahoo! Local search
- Send an address from any computer right to your car with Send to Car

The Dash Driver Network helps you get there fasterGet inside information about traffic along your route using up to the minute information generated from other Dash devices

Dash Express even provides up to 3 routing options for every destination
Each route is based on reliable travel time forecasts from:

- The network of Dash drivers who utilize two-way connectivity to anonymously share speeds and locations.
- Historical road segment data for every time and day of the year.

Because it's connected, all of that data is constantly updated, so if conditions worsen, Dash Express will automatically provide an alternate route.

1-1 Dash Express package list

All the following information could be found at www.Dash.org Please go to the web site for most updated information.

A Dash Express standard package including:

- Car Charger
- USB Charger
- USB A to mini B cable
- Car Holder
- Dash Express
- Quick start guide
- Dash card
- Soft bag for Dash Express

1-2 Dash Express Specification

Name	Dash Express
Screen	4.3" 480x320 WQVGA
Flash	3 GB
CPU	Samsung s3c2440 SoC @ 400 MHz (Source)
SDRAM	128MB
GSM	GSM, GPRS (Calypso solution)
GPS	SirfStar III GPS,
OS	Dash Linux
USB	Standard USB 1.1 (unpowered), with a Mini-B receptor (can be connected via adapter to both host and client devices)
Battery	2200 mAh

1-3 Dash Express Application

Actual Traffic Flow from the Dash Network
+
DASH
+
Historical Traffic Flow Data

OPTION 1
12 minutes

OPTION 2
16 minutes

OPTION 3
traffic!
38 minutes

FINISH

THE CAR WITH DASH EXPRESS REACHED ITS DESTINATION ON TIME.

STANDARD GPS

FINISH

THE CAR WITH STANDARD GPS IS STILL STUCK IN TRAFFIC

Routing The Dash Way

Dash was built from the ground up to be smart about traffic. Each Dash unit comes loaded with a database of historical traffic conditions for major metropolitan areas. Dash knows how fast traffic flows for every time and day of the year. Dash leverages this historical information along with traffic flow information sent from the network of other Dash drivers to provide users up to 3 routing options. Finally a solution that gives you routing options based on real world conditions!

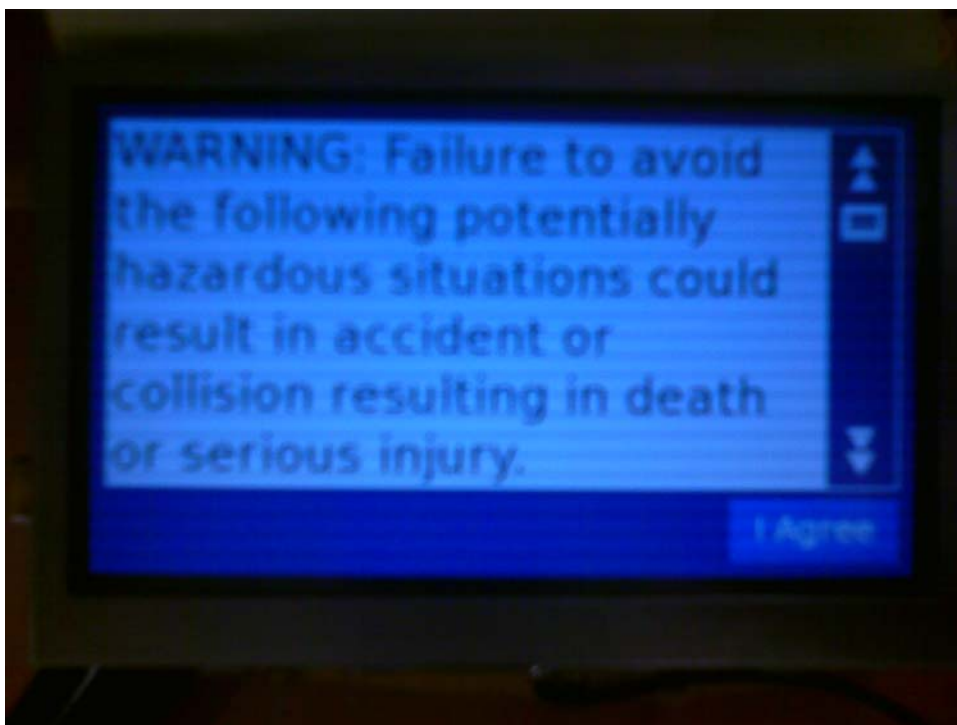
Routing with current GPS systems

Current GPS systems assume that cars always travel at the posted speed limit. This limitation means these systems ignore current and historical traffic conditions for the roads it is recommending. In addition to ignoring traffic conditions these devices only offer users a single route, which means they give you one option, which may not be the fastest route.

Chapter 2 Applications

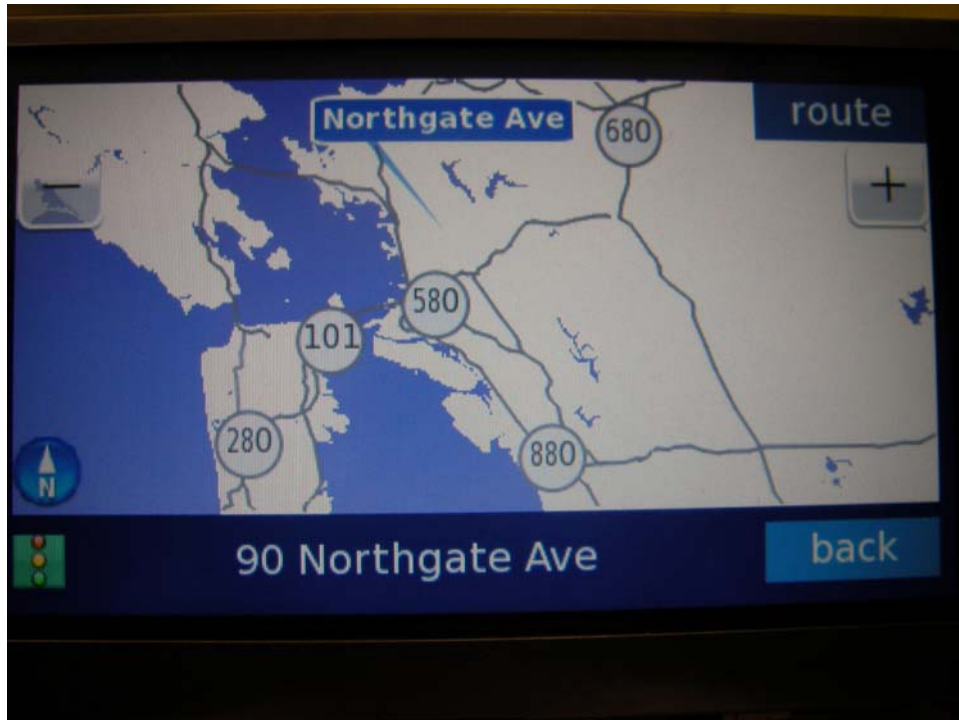
2-1 Start Your Dash Express

First time start Dash Express, You will see the following Warning message. Please carefully read all messages and the press "I Agree" button after you agree the license term



After boot into the system, you will be able to see following maps illustration which locate your area. It may need takes 40 seconds for your location fixed.

You could use touch screen for command input and volume adjustment.

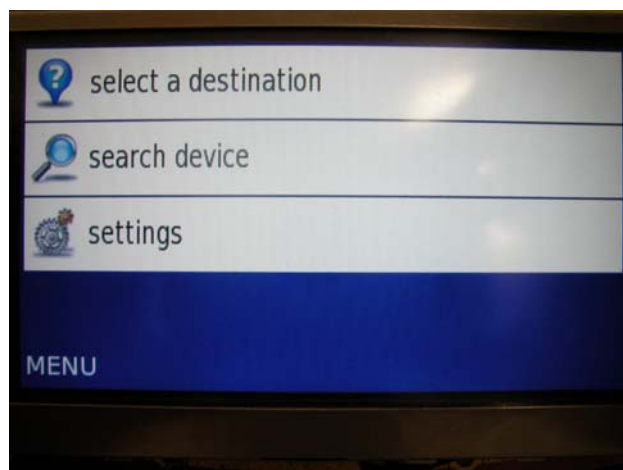


There is 2 capacity buttons in the top side of the Dash Express, you could use the capacity button to adjust sound volume and enter main menu.

2-1-1 Route to destination

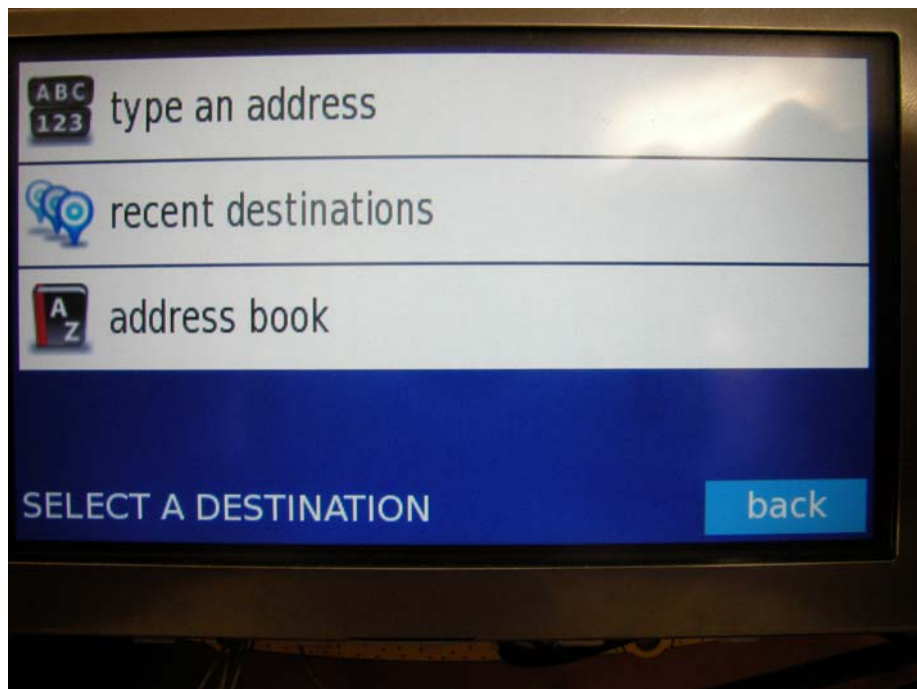
You could easily use dash express search your destination:

Step 1: Touch the top side capacity button, then enter the main menu

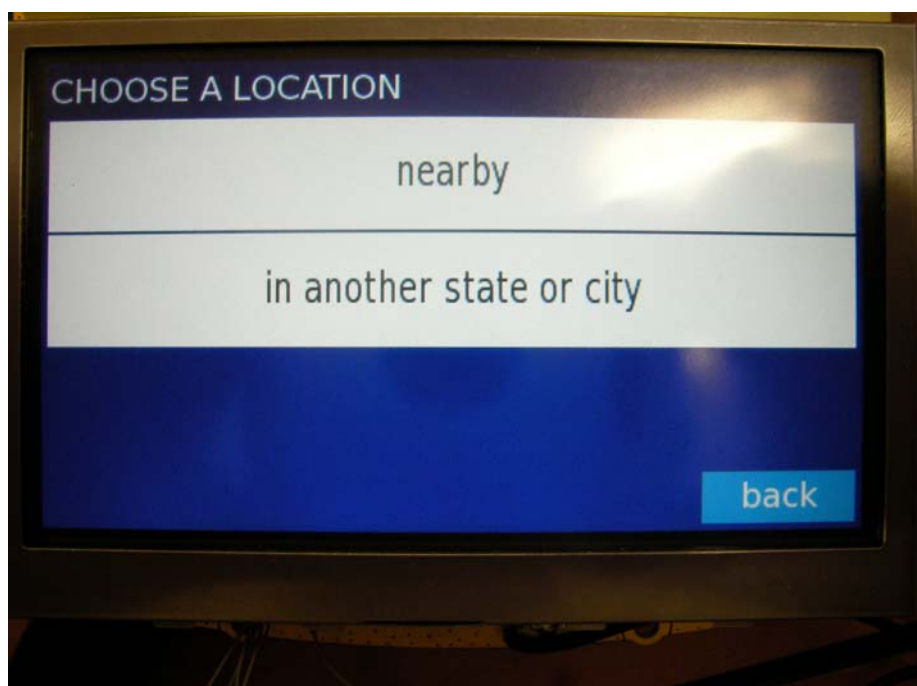


Step 2: Select the main menu

Step 3: Select any of following method to input the destination address.
"Type an address" or "recent destinations" or "address book", here we use
type an address for example.



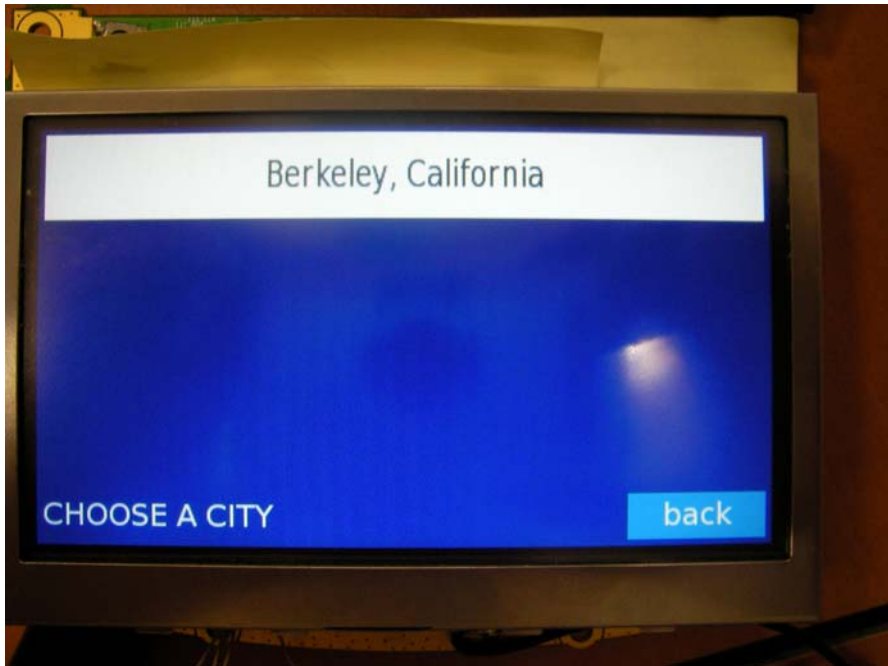
Step 4: Press in another state or city for full search.



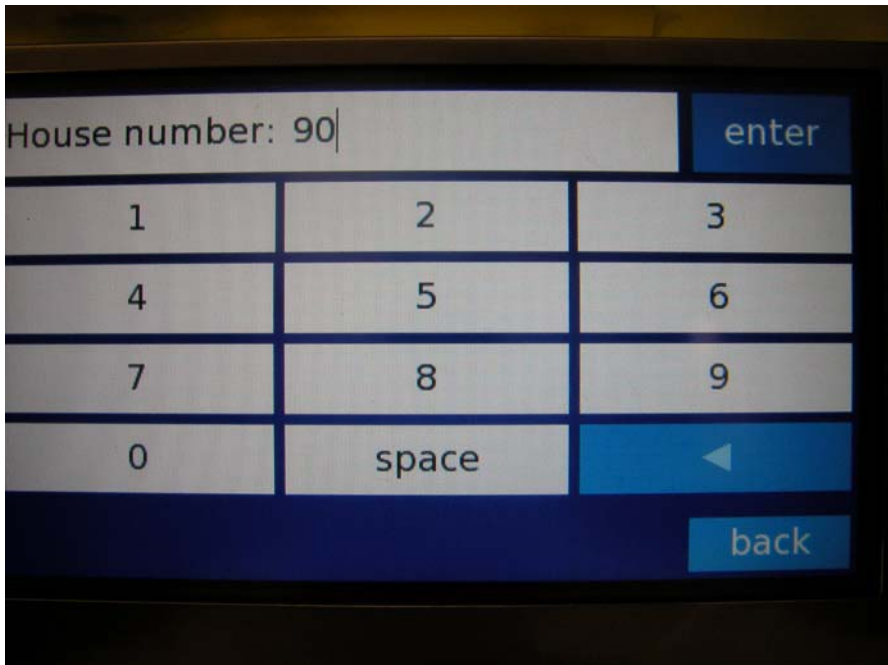
Step 5: Enter the state name, Dash Express will display the smart search result for your input. We type/select California for example.



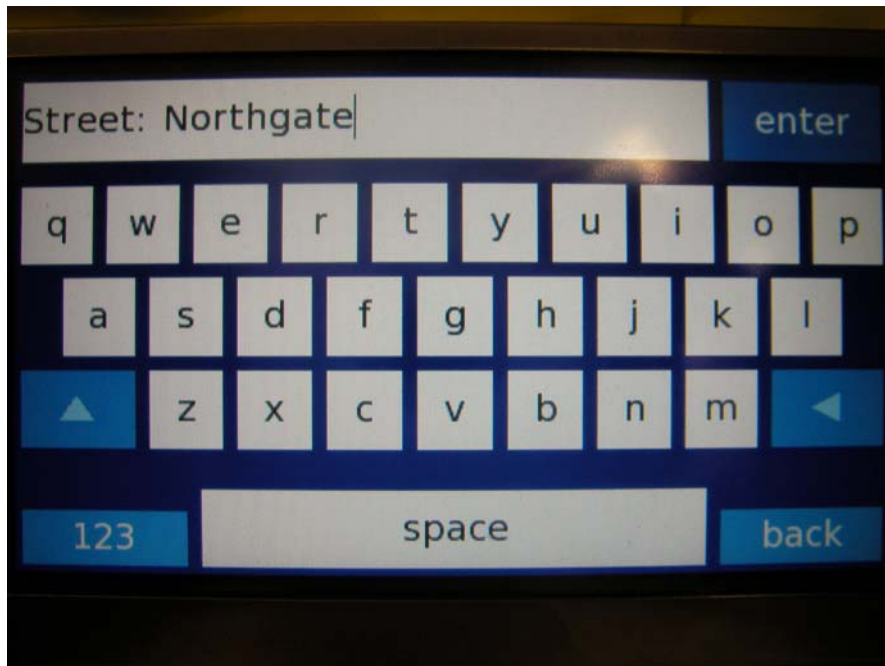
Step 6: Then type/select the city, here we use Berkeley city as example.



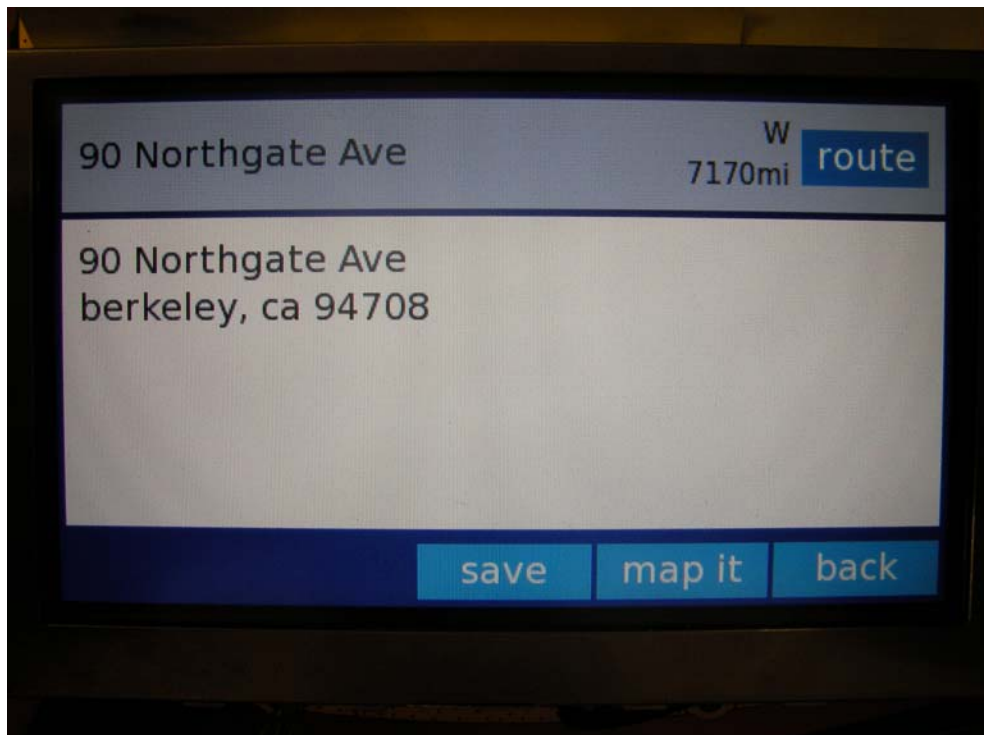
Step 7: Enter the house number of your destination.



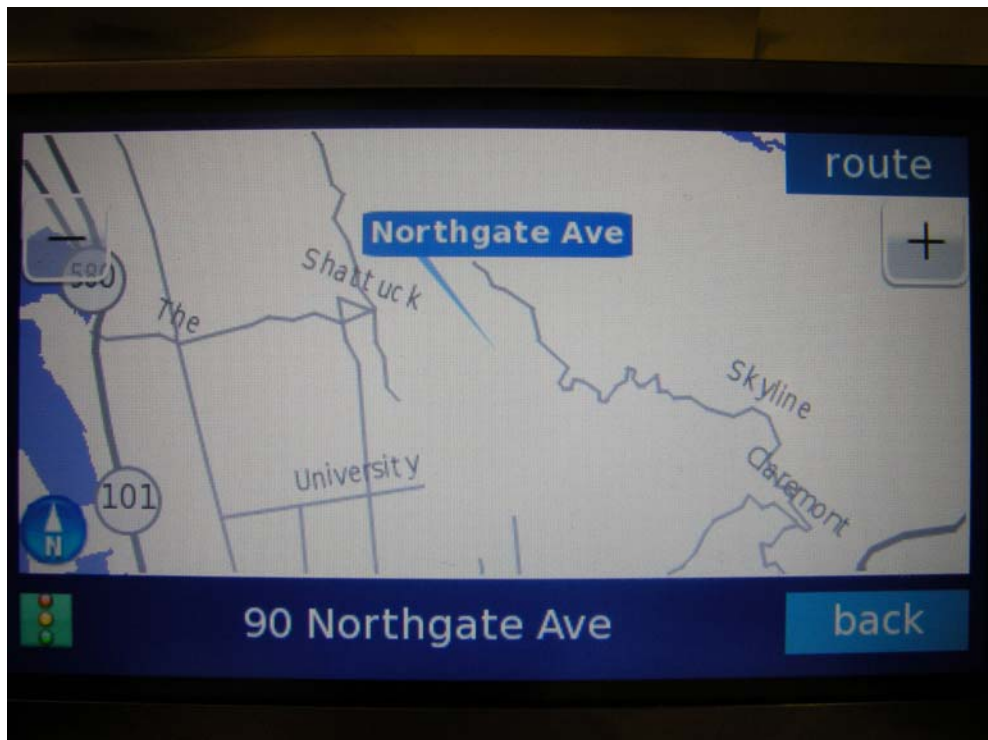
Step 8: Enter the street name of your destination.



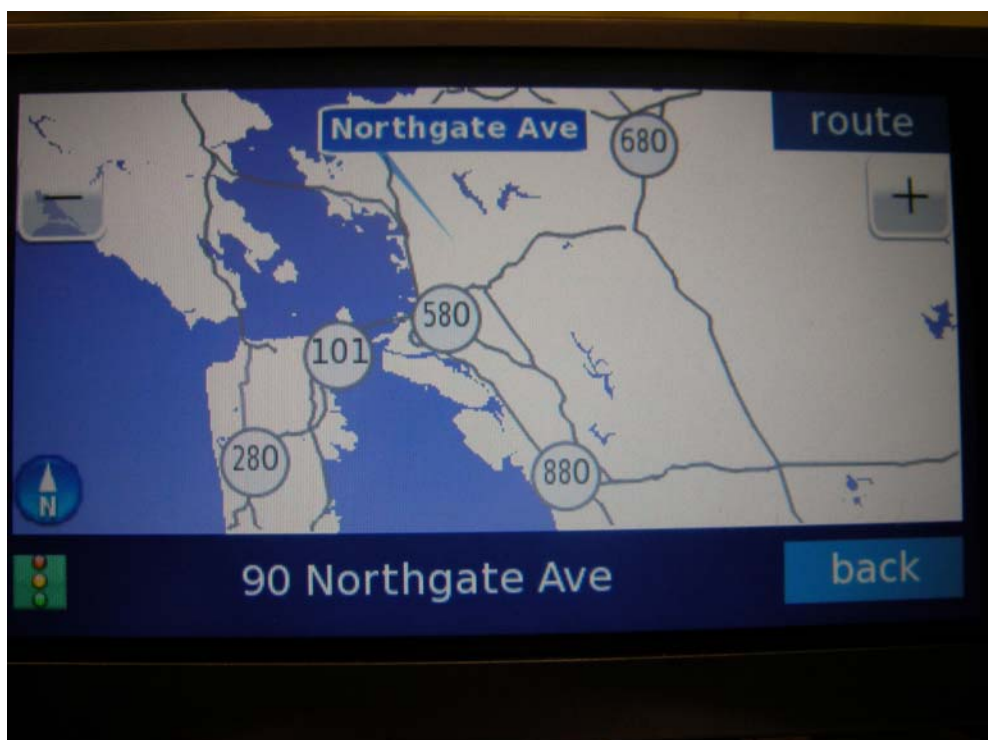
Step 9: Dash Express will display full address, then you could press route on the upper right screen for destination route calculation.



Step 10: You could see the 2D map display your destination on the Dash Express device.



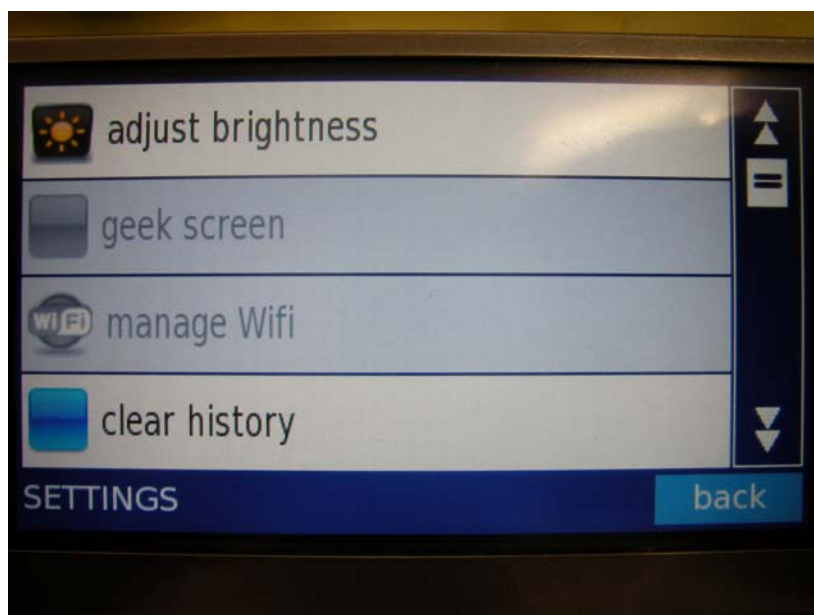
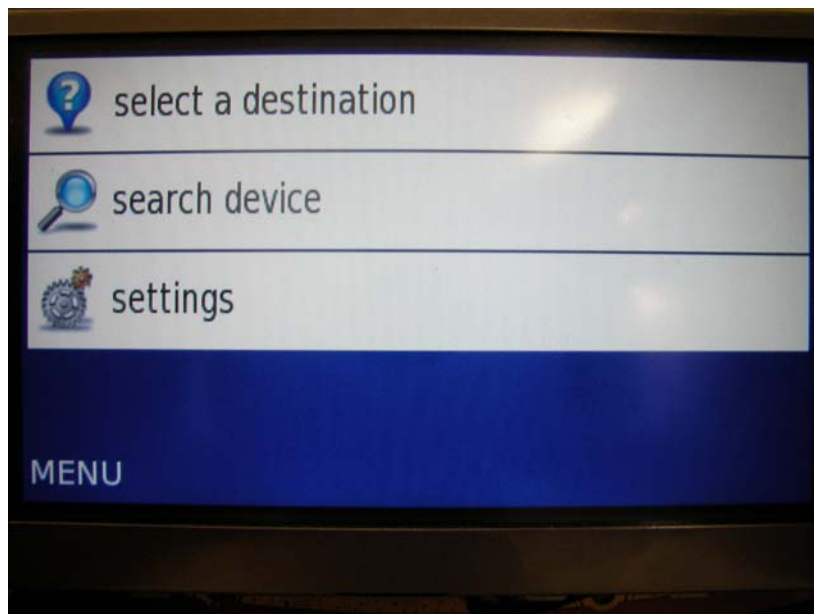
Step 11: You could press "+" or "-" to change the map resolution.



2-2Dash Express Configuration

2-2-1 Dash Express configuration

You could use the upper right capacity button, and press setting on the touch screen to enter configuration screen, you could adjust screen brightness and Wi-Fi configuration here.

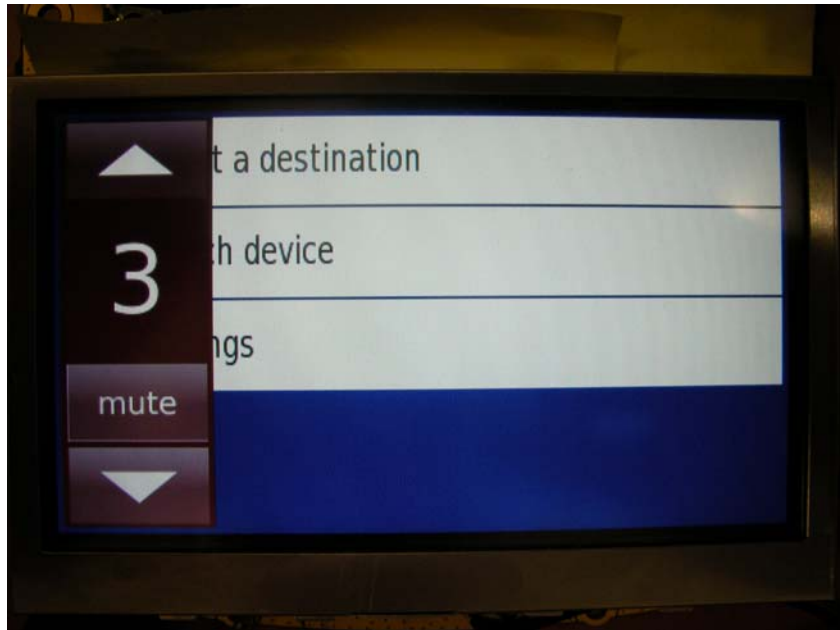


Or you could also report a problem and use development tools for selective user function.



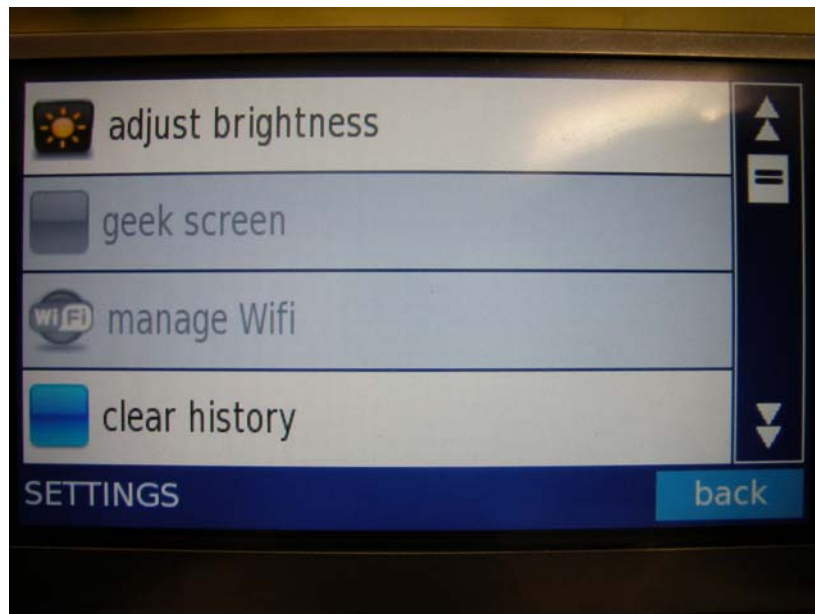
2-2-2 volume adjustment

Use upper left capacity button, you could adjust volume by the touch screen, the number of volume will be on the left side on the screen:



2-2-3 Wi-Fi adjustment

You could use the Wi-Fi section in the main menu for wi-fi configuration, including:



- Access Points
- WEP key setting
- Connection setting
- Connect status

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