LS2X Barcode Label Scale Technical Manual

1. Gravity Acceleration Adjustment

There are two methods to adjust the gravity acceleration.
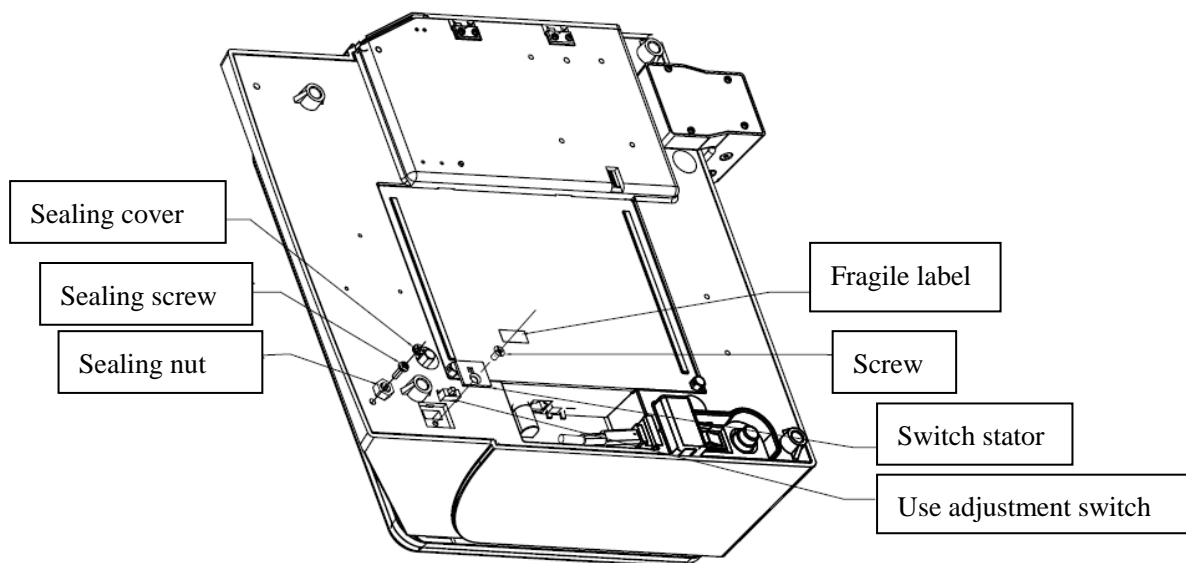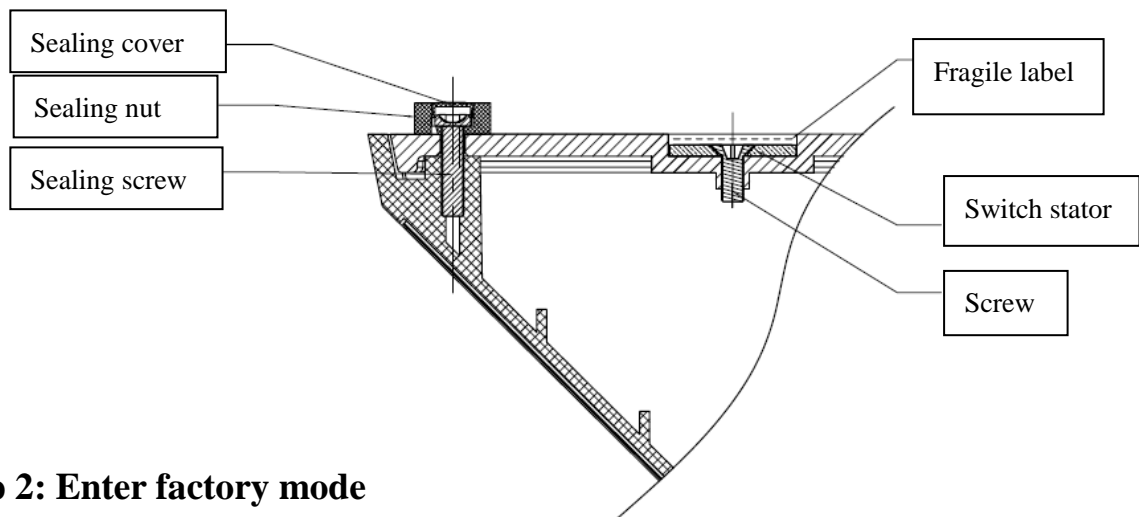
1.1 Destroy the Sealing

Destroy the fragile label sealing to adjust the gravity acceleration. The steps are as follow:

Step 1: Destroy the sealing

1) Destroy the fragile label sealing of switch stator;

2) Unscrew bolts;

3) Open switch stator;

4) When the scale is charged with electricity, move the switch to the other side or use the metal project short peg, and move it to the original position, then close the switch stator.

5) What you need to do is breaking the label on the above adjustment and do not need to open case to destroy the sealing. Please take the below pictures as your references:

Picture name: nut sealing and fragile label sealing Fragile

Sealing cover **Sealing nut** **Sealing screw** **Fragile label** **Switch stator** **Screw**

Step 2: Enter factory mode

Turn on the scale, while the display counts down from '9' to '0', press [C] key to enter factory mode.

Step 3: Adjust gravity acceleration by inputting city's no or inputting gravity acceleration of local city.

1) Press key [SYSTEM SET], display will show "password", at this time, please press [C] key and you will enter into the setting interface.
2) Press key [→] and [←] till the LCD displays "GRAVITY", and press [ENTER] to confirm.
3) At this time, you can adjust the gravity acceleration by the following two methods:
   Method 1: Input city's no
   LCD display "Input CITY NO.", please take references the attached list to input the local city number and press [ENTER] to confirm. At this time, you will hear the "beep" sound which means the setting is successful and LCD is back to the interface of "GRAVITY". If you don't need to set the gravity acceleration, please press [C] key to exit. If you want to empty the gravity acceleration, please input "999" directly to empty the setting.
   Method 2: Input gravity acceleration of local city
   If you can't find out the city's S/N in attached list, you could press the key [→] and [←] till the LCD display "Acceleration Set 0.000000". Please input the gravity acceleration of local city and press [ENTER] to confirm. Please take references the attached list to check the gravity acceleration of local city
   Note: the range of gravity acceleration is from 9.75 to 9.8327.

Step 4: Exit from calibration

To exit the factory mode, please press [C] for 2-3 seconds to return the normal operation.

1.2 Authorized Box

Only using authorized code box can adjust gravity acceleration without destroying any sealing. However, it needs high grade permission of code box.

Step 1: Enter factory mode

Turn on the scale, while the display counts down from '9' to '0', press [C] key to enter factory mode.

Step 2: Adjust gravity acceleration by inputting city's no or inputting gravity acceleration of local city.

1) Press key [SYSTEM SET], display will show "password", at this time, please press [C] key and you will enter into the setting interface.
2) Press key [→] and [←] till the LCD displays "GRAVITY", and press [ENTER] to confirm.
3) At this time, you can adjust the gravity acceleration by the following two methods:
   Method 1: Input city's no.
   LCD display "Input CITY NO.", please take references the attached list to input the local city number and press [ENTER] to confirm. At this time, you will hear the "beep" sound which means the setting is successful and LCD is back to the interface of "GRAVITY". If you don't need to set the gravity acceleration, please press [C] key to exit. If you want to empty the gravity acceleration, please input "999" directly to empty the setting.
   Method 2: Input gravity acceleration of local city
   If you can't find out the city's S/N in attached list, you could press the key [→] and [←] till the LCD display "Acceleration Set 0.000000". Please input the gravity acceleration of local city and press [ENTER] to confirm. Please take references the attached list to check the gravity acceleration of local city
   Note: the range of gravity acceleration is from 9.75 to 9.8327.

Step 3: Exit from calibration

To exit the factory mode, please press [C] for 2-3 seconds to return the normal operation.
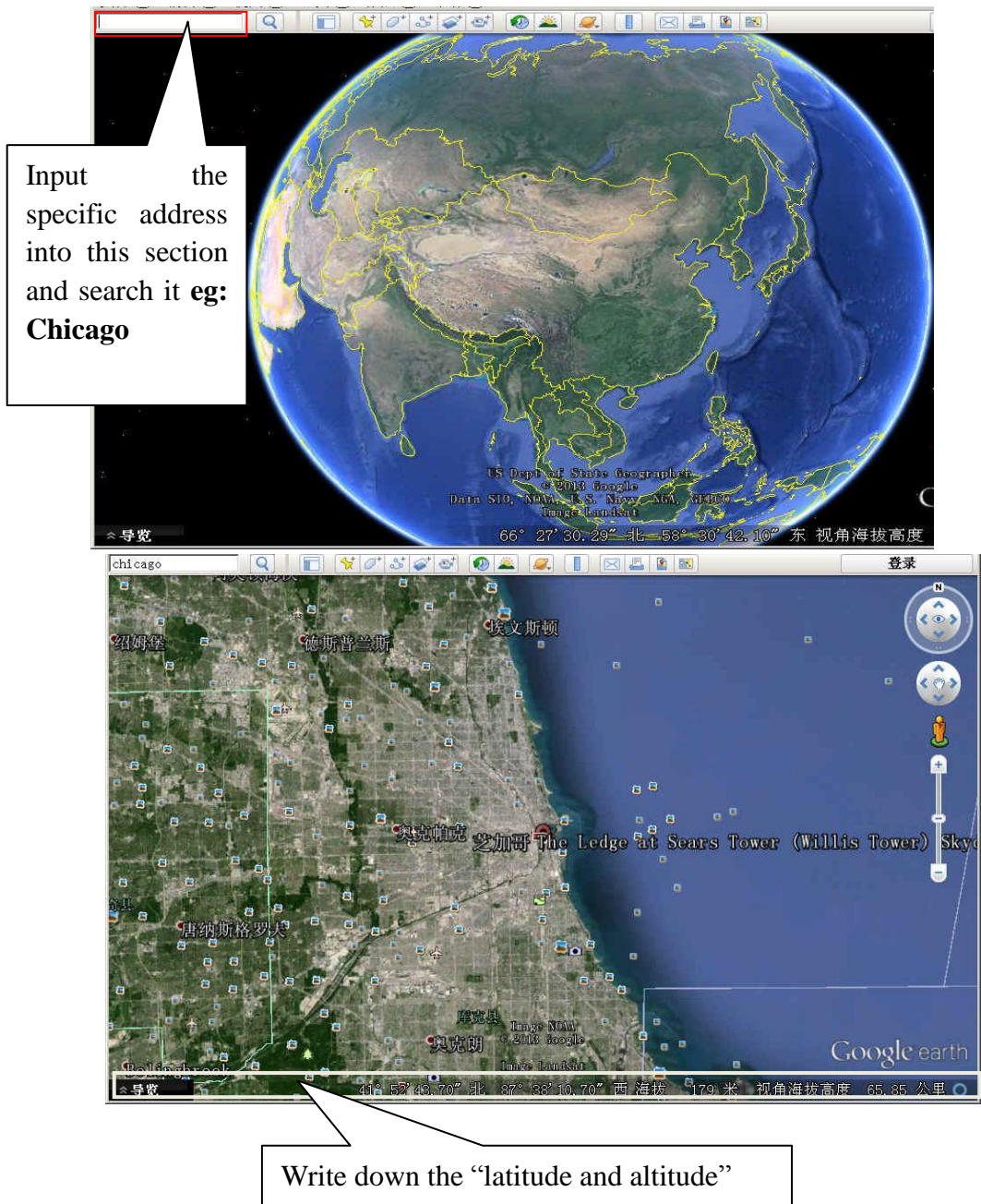
2. Acceleration of Gravity Table

S/N	COUNTRY	CITY	ACCELERATION OF GRAVITY
128	Greece	Athens	9.800
129	South Africa	Capetown	9.796
130	Netherlander	Amsterdam	9.813
131	Norway	Oslo	9.815
132	New Zealand	Auckland	9.799
133	New Zealand	Wellingto	9.801
134	Denmark	Copenhagen	9.815
135	Germany	Frankfurt	9.810
136	Germany	Berlin	9.8128
137	Mexico	Mexico City	9.779
138	U.S.A	Birmingham	9.813
139	U.S.A	Chicago	9.803
140	U.S.A	Los Angeles	9.796
141	U.S.A	New York	9.802
142	U.S.A	San Francisco	9.800
143	U.S.A	Washington	9.8011
144	Belgium	Brussels	9.811
145	Brazil	Rio de Janeiro	9.786
146	Sweden	Stockholm	9.818
147	Switzerland	Zurich	9.807
148	Scotland	Glasgow	9.816
149	Spain	Madrid	9.800
150	Singapore	Singapore	9.7807
151	Argentina	Buenos Aires	9.797
152	United Kingdom	London	9.81199
153	United Kingdom	Greenwich Kingdom	9.81188
154	Australia	Melbourne	9.800
155	Australia	Sydney	9.797
156	Italy	Milan	9.806
157	Italy	Rome	9.8035
158	India	Calcutta	9.788
159	Japan	Tokyo	9.798
160	Canada	Ottawa	9.806
161	Canada	Vancouver	9.809
162	Cuba	Havana	9.788
163	Kuwait	Kuwait	9.795
164	Cyprus	Nicosia	9.797

165	Thailand	Bangkok	9.783
166	Portugal	Lisbon	9.801
167	France	Paris	9.8094
168	Finland	Helsinki	9.819
169	Philippines	Manila	9.7836
170	Russia	Moscow	9.8156

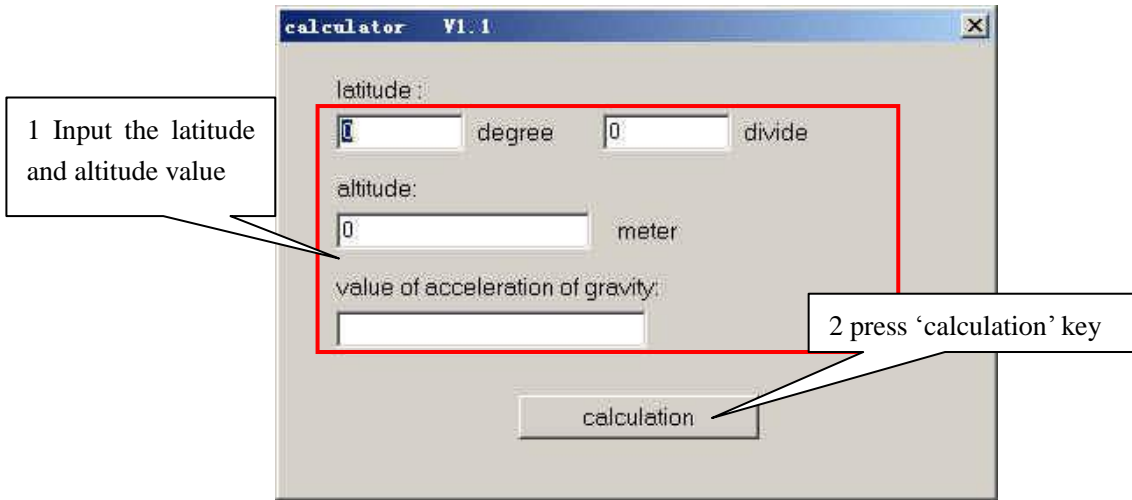# 3. The Calculation of Value of Acceleration of Gravity

If the value of acceleration of gravity is not listed on our appendix table, please firstly download a "Google Map" on your PC.

1) open "Google Map".

Input the specific address into this section and search it **eg: Chicago**

Write down the "latitude and altitude"

2) open the calculator we offer
GCalcEn.exe

1 Input the latitude and altitude value

2 press 'calculation' key

Then, the value of acceleration of gravity will be out.