

Accue RDS Clock User Manual

For clock versions D and E

- 1 Begin using the RDS clock:
 - 1.1 Use a FM radio to check if the FM signal is available or not. May need to check more than 1 station since different station has different signal strength. A little bit noisy station is still acceptable to the RDS clock.
 - 1.2 Insert 2 pcs of AA alkaline batteries.
 - 1.3 Hang the clock on the wall.
 - 1.4 The steps below are being done automatically. The clock will show the correct time after 20 ~ 60 minutes.
 - 1.4.1 The three hands will go to the 12:00:00, stop there until time is received.
 - 1.4.2 Coarse adjust:
 - 1.4.2.1 Needs 20 ~ 60 minutes.
 - 1.4.2.2 If cannot receive the time,
 - 1.4.2.2.1 The hour and minute hands will start moving as normal , but the second hand will move every 2 seconds, each move has 2 clicks. This abnormal clicking shows that it cannot receive the time.
 - 1.4.2.2.2 The clock will retry every 4 hours.
 - 1.4.2.3 If time is received,
 - 1.4.2.3.1 The 3 hands will then point to the correct time.
 - 1.4.2.3.2 If the time received is accurate, the second hand will click normally.
 - 1.4.2.3.3 If the time received has more than 10 seconds different, the second hand will move every 2 seconds, each move has 2 clicks. This abnormal clicking shows that the time received is not that accurate.
 - 1.4.2.3.4 Then proceed to the fine adjust procedure.
 - 1.4.3 Fine adjust:
 - 1.4.3.1 Will receive the time signal again, until correct time is received. This may take 30 minutes to 1 hour.
 - 1.4.3.2 When it is done, the time is accurate. The second hand clicks normally.
 - 1.4.3.3 Then proceed to the daily operation.
- 2 Daily operation:

- 2.1 At 2 am and 2 pm, the clock receives the time automatically to do the fine adjust. Under this situation, the clock just clicks as usual.
- 2.2 If time signal can be received, the time will be corrected:
 - 2.2.1 If the clock is too fast, it will stop and wait (should be just 1 or 2 seconds).
 - 2.2.2 If the clock is too slow, it will move faster to go to the correct time.
- 2.3 If cannot receive the time signal,
 - 2.3.1 If cannot receive for 5 days,
 - 2.3.1.1 the second hand will begin to move every 2 seconds, each move has 2 clicks.
 - 2.3.1.2 This abnormal clicking shows that the time may not be correct. (Each day may contribute 1 second tolerance.)
 - 2.3.2 If can receive again,
 - 2.3.2.1 The second hand will resume clicking normally.
 - 2.3.2.2 The error accumulated so far will be removed at once.
- 3 Manual Operation:
 - 3.1 At the back, there are 2 buttons:
 - 3.1.1 MSET - Manual Set button
 - 3.1.2 REC - Receive button
 - 3.2 Manual adjust:
 - 3.2.1 It is needed when the broadcasting is too weak or noisy, making the clock cannot receive the time signal.
 - 3.2.2 Press and hold MSET. The hands will move fast forward. Release the button when the hands points to roughly the correct time. Within 5 minutes is good enough.
 - 3.2.3 Then the second hand will begin to move every 2 seconds, each move has 2 clicks. This shows that the time is not correct yet.
 - 3.2.4 The clock is waiting for the time signal. This may take 30 ~ 60 minutes. If the signal is too weak, this may take 24 hours.
 - 3.2.5 Once the time signal is received,
 - 3.2.5.1 The hands will point to the correct time.
 - 3.2.5.2 The second hand resumes normal clicking.
 - 3.2.5.3 Then proceed to the Daily operation.
 - 3.3 Receive at once:
 - 3.3.1 Press REC button to receive time signal at once.
 - 3.3.2 This will do the coarse adjust and fine adjust.
 - 3.3.3 During this period, the second hand keeps the way it clicks before the REC button is pressed.

- 4 If the clock cannot receive the time signal:
 - 4.1 Please check the battery. If the voltage is low, the sensitivity is low.
 - 4.2 You can try the “Manual adjust” method. This is good for places where the broadcasting is not so clear, but still can be heard. (If you cannot hear the broadcasting at all, the clock cannot work at that place. But please make sure you have checked all the stations. They have different signal strengths.)
 - 4.3 You can leave it retrying by itself. At night time, the reception is better.
 - 4.4 Or please find another place to hang the clock.
 - 4.5 Keep away from the electric appliances which produce electrical noises.
- 5 Power Saving Mode:
 - 5.1 You can stop the second hand from clicking. Then it will resume clicking normally at 7 am. This will increase the battery life to more than 1 year. The starting time can be from 1 pm to 11 pm.
 - 5.2 Press MSET momentarily. Then the second hand will point at 1 o'clock position (manual set mode).
 - 5.3 Press it again, the hand will go to 2 o'clock position (power saving mode).
 - 5.4 Press REC to enter this mode:
 - 5.4.1 The second hand will point at the power saving start time chosen before. (If points at 12 o'clock, it means the power saving mode was disabled before.)
 - 5.4.2 Press the MSET button once, the second hand will point to the next o'clock position.
 - 5.4.3 If you don't need the power saving mode, please press momentarily until it points at 12 o'clock.
 - 5.4.4 Press REC to confirm the time chosen, or wait for it to timeout after 10 seconds (the change is also accepted).
 - 5.4.5 When it is time to save power, the second hand will park at the 6 o'clock position.
- 6 Low Battery Indication:
 - 6.1 When the battery is low, the second hand will park at the 12 o'clock position, showing that the battery is low. The clock WILL soon work improperly.
 - 6.2 But the hour and minute hands are still moving normally, doing their best to tell the time until the battery is dead. (Still receiving the time signal when time comes.)
 - 6.3 Please change the batteries ASAP because:
 - 6.3.1 The batteries leaks easily under this situation. The liquid damages

the circuit board.

6.3.2 The receiving sensitivity drops when the battery is low. So the time may not be accurate.

7 The Special Indication by the Second Hand:

7.1	Time is not accurate:	The second hand moves every 2 seconds. Each move has 2 clicks.
7.2	Low battery:	The second hand parks at the 12 o'clock position.
7.3	In power saving mode:	The second hand parks at the 6 o'clock position.

8 When the red light below the battery compartment flashes, it means the clock is receiving time signal:

8.1 If it is flashing once per second, it means the station under receiving is too far away or too weak. (It will try all the stations in HK, looking for the stations near by.)

8.2 Flashing quickly, means the station being tuned at may have the time signal.

9 Please pay attention to these points not under warranty:

9.1 Damage caused by battery leakage.

9.2 The clock is damaged from falling down.

9.3 Because the clock surface is made of glass, it can be broken. (The model having the P suffix is made of plastic. This one does not break easily, and does not have sharp corners.)

9.4 Since it is not water-proof, please be careful when place it outdoor.

10 Reference clock: http://www.hko.gov.hk/gts/time/clock_uc.html The atomic clock in Hong Kong Observatory.