



## KooKoo Radio Controlled Movement 2017

### Where it comes from and how it works

In Mainflingen, near Frankfurt am Main, a tower emits a radio wave called DCF-77, containing the exact GMT +1 (Greenwich Mean Time). GMT+1 time correspond to German or Central European Time zone (CET). This radio wave is spread on a radius of up to 2.000 km in Europe.

<https://en.wikipedia.org/wiki/DCF77>

When receiving this time-signal, KooKoo radio controlled (RC) movements adjust themselves to the actual, precise CET time. This movement also works without receiving the DCF-77 radio signal.

### Time-Set

Insert new 1.5V batteries, to start the automatic "Time-Set" procedure. Please wait and observe the hands as follows:

- 1- second, minute and hour hands will fast forward mode and stop at 12:00 (no bird song are played);
- 2- the RC quartz movement receiver will start to search for the DCF-77 signal (hands do no move)
  - as soon as the time-signal is detected the hands will "fast forward" to the actual, precise time (bird song can be heard). This procedure might take up to 3 minutes.
  - if no signal is detected, after 5 minutes, the hands start to move from 12:00 position. Use the "M-Set" button to manual-set the time. Or remove and reinsert the batteries again and reposition the clock or place near a window, to better receive the DCF77 signal.

### "M-Set" (manual time set)

Keep this button pushed for 3 seconds until "fast forward" mode starts. Set the current time yourself. Press and release the button repeatedly to forward minute by minute. If the button is released for 5 seconds, the clock will continue in real time.

### "Rec" button (automatic time set)

Keep this button pressed for 3 seconds until the hands stop moving and to start the automatic "Time – Set" procedure.

### "Reset" button (synchronize time and bird song)

Push this button to start fast forward mode. At 12:00 the hands will stop and the bird song is reset. From now on, every hour on the hour, the correct birdsong will be heard. Wait for 3 minutes, until the signal has been received, or for 5 minutes if no signal at all was received (see above).

### -----How to adjust RC movement outside GMT+1 zone -----

English	Deutsch
<ul style="list-style-type: none"> <li>• press M-Set (small blue knob backside) for 3 sec. till the second hands stopp. Then wait for all hands to move and stop at 12:00, take out the batteries;</li> <li>• unscrew the ring (4 screws at cabinet backside) and turn/put cabinet front side on a table</li> <li>• carefully take of second, minute and hour hands (we use finger nails) and fix them again:               <ul style="list-style-type: none"> <li>○ hour hands: select your time new zone</li> <li>○ Minute: set 12:00</li> <li>○ Second: set 12:00</li> </ul> </li> <li>• screw ring, glas and cabinet together</li> </ul>	<ul style="list-style-type: none"> <li>• drücke 3 Sek. auf den kleinen blauen M-Set Knopf bis die Zeiger stoppen. Dann warte bis alle Zeiger auf 12:00 stehen. Entferne die Batterien;</li> <li>• schraube den Ring ab (4 Schrauben auf der Rückseite) und drehe das Gehäuse;</li> <li>• entferne die Zeiger vorsichtig (wir verwenden die Fingernägel) und stelle die Zeiger wie folgt:               <ul style="list-style-type: none"> <li>○ Stunde: bitte wähle Deine Zeitzone</li> <li>○ Minuten: auf 12:00</li> <li>○ Sekunde: auf 12:00</li> </ul> </li> <li>• verschraube Glas, Ring und das Uhrgehäuse wieder miteinander</li> </ul>