MRA-5   Short Instructions

1. Spectrum entry (erases old background, writes new signals)
a) Using the MODE button set the "SCAN" mode
b) Push the MENU button for several seconds
c) Select **+** (UP)   "Modify spectr."
d) Select **–** (DOWN) "Spectrum Entry"
e) Push MODE: "yes"   to confirm

2. Background check   (tuning & checking of background signals)
a) Using MODE button set Background check: BackG=xxx S=yyy
b) By the UP or DOWN buttons check all background channels
c) Tune the best signal reception by the SEARCH knob

3. Permanent protection - SCAN
a) Using the MODE button set the "SCAN" mode
b) Note the ID of the last spectrum background #XXXX

4. Pre-alarm, Alarm, Past-alarm (presence of new signals)
- Pre-alarm: short flash of the red alarm LED and a short beep,
                after the ID the level of achieved alarm is displayed in %
- Alarm: continuous light of red alarm LED, continuous tone, 100%
             and ALARM! alternate with duration of the alarm (HH:MM)
- Past-alarm: ALARM! message alternates with the time elapsed
                 from the end of last alarm (-HH:MM)

5. New signal check (alarm reason check & bug detection)
a) Using the MODE button set the "New signal" mode
b) By the UP or DOWN buttons check all new signal channels
c) Disconnect power supply and find the bug using DIST bargraph

6. Adding "false" alarm channel to background
  In the "New signal" mode push MENU button for several seconds
  + (button UP) offers "Edit"   e.g. work with new signals
  + (button UP) "Add to BG", adds channel to background

7. Spectrum refresh (adds active signals to background)
- see 1. above and in d) select + (UP)
- this can be repeated several times, reduces false alarms

8. Manual tuning and frequency measurement
a) Push the MENU button shortly, the LCD shows "M.tuning"
b) Tune the strongest signal using the SEARCH knob or UP/DOWN
c) Push the MENU button shortly to measure the frequency
d) The MODE button returns to the previous mode