

## SWL IR Remote for Drake R8/A/B

### Commands Quick Reference for Firmware 1.43

| <p>Radio Power<br/><b>Power</b> Radio power on/off</p> <p>Direct Entry of Frequencies</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td><b>0 8 3 0 Enter</b></td><td>830kHz</td></tr> <tr><td><b>0 Mute 7 Enter</b></td><td>700kHz</td></tr> <tr><td><b>5 0 0 Mute Enter</b></td><td>500kHz</td></tr> <tr><td><b>3 Mute 2 5 9 Enter</b></td><td>3259kHz</td></tr> <tr><td><b>1 5 Mute Enter</b></td><td>15000kHz</td></tr> <tr><td><b>1 5 Mute 2 3 Mute 5 Enter</b></td><td>15230.5kHz</td></tr> <tr><td><b>1 5 2 3 5 Enter</b></td><td>15235kHz</td></tr> <tr><td><b>9 5 6 5 Enter</b></td><td>9565kHz</td></tr> <tr><td><b>3 Mute 5 Enter</b></td><td>3500kHz</td></tr> <tr><td><b>Mute (Mute) (Mute)</b></td><td>Clear key entry during numeric entry. (LED will blink twice)</td></tr> </table> <p>Direct Entry of VHF Frequencies (Internal VHF Converter required)</p> <p><b>4 6 Mute 4 2</b> 46.42 MHz<br/> <b>1 62 Mute 5 5 Mute</b> 162.55 MHz *</p> <p>* Note: additional <b>Mute</b> required for frequencies above 100 MHz.</p> <p>Frequency and Memory Channel Stepping</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>VFO Mode</u></th> <th style="text-align: center;"><u>Memory Mode</u></th> </tr> </thead> <tbody> <tr> <td><b>CH+</b></td> <td>Freq+ by tuning step</td> <td>Memory+</td> </tr> <tr> <td><b>CH-</b></td> <td>Freq- by tuning step</td> <td>Memory-</td> </tr> </tbody> </table> <p>Tuning Steps</p> <p><b>x</b> before <b>CH+/-</b> to set a tuning step (it stays until changed again)</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>2</td><td>10Hz</td><td>(Below 100MHz)</td></tr> <tr><td>3</td><td>100Hz</td><td></td></tr> <tr><td>4</td><td>1kHz</td><td></td></tr> <tr><td>5</td><td>5kHz</td><td></td></tr> <tr><td>6</td><td>10kHz</td><td></td></tr> <tr><td>7</td><td>100kHz</td><td></td></tr> <tr><td>8</td><td>1MHz</td><td></td></tr> <tr><td>9</td><td>9kHz</td><td></td></tr> </table> <p>User Tuning Steps</p> <p><b>0</b> Last Used User Tuning Step<br/> <b>0 x</b> User Tuning Step (<b>x</b>=1, 2, 3, 4, 5)</p> | <b>0 8 3 0 Enter</b>   | 830kHz                 | <b>0 Mute 7 Enter</b> | 700kHz | <b>5 0 0 Mute Enter</b> | 500kHz | <b>3 Mute 2 5 9 Enter</b> | 3259kHz | <b>1 5 Mute Enter</b> | 15000kHz | <b>1 5 Mute 2 3 Mute 5 Enter</b> | 15230.5kHz | <b>1 5 2 3 5 Enter</b> | 15235kHz | <b>9 5 6 5 Enter</b> | 9565kHz | <b>3 Mute 5 Enter</b> | 3500kHz | <b>Mute (Mute) (Mute)</b> | Clear key entry during numeric entry. (LED will blink twice) |  | <u>VFO Mode</u> | <u>Memory Mode</u> | <b>CH+</b> | Freq+ by tuning step | Memory+ | <b>CH-</b> | Freq- by tuning step | Memory- | 2 | 10Hz | (Below 100MHz) | 3 | 100Hz |  | 4 | 1kHz |  | 5 | 5kHz |  | 6 | 10kHz |  | 7 | 100kHz |  | 8 | 1MHz |  | 9 | 9kHz |  | <p>Setting Frequency Pacing (<b>0 9 4 Enter</b>)</p> <p><b>x x Enter</b><br/> Value from 1 to 99 to control frequency pacing (tuning speed). 1 is the fastest and 99 is the slowest. Default setting is 30.</p> <p>Enabling/Disabling Optional Mode Selections (<b>0 9 6 Enter</b>)</p> <p><b>0 Enter</b> Disable FM and CW modes in selections (Factory default).<br/> <b>1 Enter</b> Enable FM mode in selections.<br/> <b>2 Enter</b> Enable CW mode in selections.<br/> <b>3 Enter</b> Enable both FM and CW in mode selections.<br/> <b>4 Enter</b> Disable AGC off (Factory default).<br/> <b>5 Enter</b> Enable AGC off in AGC selections.<br/> <b>6 Enter</b> Disable VHF operation (Factory default).<br/> <b>7 Enter</b> Enable VHF operation (VHF Converter must be installed).</p> <p>Defining User Tuning Steps (<b>0 9 7 Enter</b>)</p> <p><b>x Mute f f f f Enter</b><br/> The User Tuning step x (1, 2, 3, 4, or 5) is defined as frequency <b>ffff</b>, converted to f.fffkHz. You must enter all digits, even zeroes; e.g. define Tuning Step 2 with a value of 1.4kHz would be <b>2 Mute 1 4 0 0 Enter</b>. The display on the radio will show the value as 2.140.000Hz when you are done to confirm the entered value.</p> <p>Scan Control</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;"><u>VFO Mode</u></th> <th style="text-align: center;"><u>Memory Mode</u></th> </tr> </thead> <tbody> <tr> <td><b>Last</b></td> <td>Start/Stop Programmed Scan</td> <td>Start/Stop Memory Scan</td> </tr> </tbody> </table> <p>Enter Commands – Toggles/Selects radio features</p> <p><b>Enter</b> VFO/Memory mode<br/> <b>1 Enter</b> Preamp on/off<br/> <b>2 Enter</b> Attenuator on/off<br/> <b>3 Enter</b> ANT 1, 2, or VHF (configurable)<br/> <b>4 Enter</b> VFO A or B<br/> <b>5 Enter</b> Notch on/off<br/> <b>6 Enter</b> AGC slow, fast, or off (configurable)<br/> <b>7 Enter</b> Synchronous Detection on/off<br/> <b>8 Enter</b> AM, LSB, USB, FM (configurable), or CW (configurable)<br/> <b>9 Enter</b> Bandwidth 0.5 (CW mode enabled), 1.8, 2.3, 4.0, or 6.0 kHz<br/> <b>0 Enter</b> Cycle through step sizes (display resolution)</p> <p>Memory Management</p> <p><b>x x x Last</b> Select Memory Channel xxx (for channels 100 - 999)<br/> <b>x x Last</b> Select Memory Channel xx (for channels 10 - 99)<br/> <b>x Last</b> Select Memory Channel x (for channels 1 - 9)<br/> <b>0 Last</b> Memory to VFO<br/> <b>0 0 Last</b> Recall last directly entered frequency<br/> <b>1 x x x Last</b> Write VFO Frequency and mode to memory channel xxx</p> |  | <u>VFO Mode</u> | <u>Memory Mode</u> | <b>Last</b> | Start/Stop Programmed Scan | Start/Stop Memory Scan |
|--|--|------------------------|-----------------------|--------|-------------------------|--------|---------------------------|---------|-----------------------|----------|----------------------------------|------------|------------------------|----------|----------------------|---------|-----------------------|---------|---------------------------|--|--|-----------------|--------------------|------------|----------------------|---------|------------|----------------------|---------|---|------|----------------|---|-------|--|---|------|--|---|------|--|---|-------|--|---|--------|--|---|------|--|---|------|--|---|--|-----------------|--------------------|-------------|----------------------------|------------------------|
| <b>0 8 3 0 Enter</b>   | 830kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>0 Mute 7 Enter</b>  | 700kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>5 0 0 Mute Enter</b>  | 500kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>3 Mute 2 5 9 Enter</b>  | 3259kHz  |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>1 5 Mute Enter</b>  | 15000kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>1 5 Mute 2 3 Mute 5 Enter</b>   | 15230.5kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>1 5 2 3 5 Enter</b>   | 15235kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>9 5 6 5 Enter</b>   | 9565kHz  |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>3 Mute 5 Enter</b>  | 3500kHz  |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>Mute (Mute) (Mute)</b>  | Clear key entry during numeric entry. (LED will blink twice) |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
|  | <u>VFO Mode</u>  | <u>Memory Mode</u>     |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>CH+</b>   | Freq+ by tuning step   | Memory+                |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>CH-</b>   | Freq- by tuning step   | Memory-                |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 2  | 10Hz   | (Below 100MHz)         |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 3  | 100Hz  |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 4  | 1kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 5  | 5kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 6  | 10kHz  |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 7  | 100kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 8  | 1MHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| 9  | 9kHz   |                        |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
|  | <u>VFO Mode</u>  | <u>Memory Mode</u>     |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |
| <b>Last</b>  | Start/Stop Programmed Scan                                   | Start/Stop Memory Scan |                       |        |                         |        |                           |         |                       |          |                                  |            |                        |          |                      |         |                       |         |                           |  |  |                 |                    |            |                      |         |            |                      |         |   |      |                |   |       |  |   |      |  |   |      |  |   |       |  |   |        |  |   |      |  |   |      |  |   |  |                 |                    |             |                            |                        |

## SWL IR Remote for Drake R8/A/B

### Commands Quick Reference for Firmware 1.43

Direct Enter Commands – Directly Selects radio features

**3 x Enter** Antenna

1 – ANT 1

2 – ANT 2

3 – VHF Converter

**4 x Enter** VFO

1 – VFO A=B (R8A & R8B)

**6 x Enter** AGC

0 - Off

1 – Slow

2 - Fast

**8 x Enter** Mode

1 – USB

2 – LSB

3 – RTTY

4 – CW

5 – FM

6 - AM

**0 x Enter** Miscellaneous Functions (R8A & R8B)

1 – MHz/kHz Frequency Display Mode

2 – Frequency Display

3 – Time Display

4 – Memory Name Mode On

5 – Memory Name Mode Off

6 – Dim/Brighten Display Backlight