

FAST MENU OPERATION FLOW

| NO. | Feature | Fast key | LCD display | Parameter | Selectable | Confirm | VFO mode | Page |
|-----|---------------------|----------|-------------|---------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------|--------|
| 1 | Power switch | F+1 | H/N/L | Repeatedly press F+1 | H: (5W) M: (2.5W) L: (1W) | Auto | Auto | P14 |
| 2 | Receive code | F+2 | RC.*** | Press BAND to change the mode and then press ▲ or ▼ to choose | CTCSS (67.0-254.1) DCS (D023N-D754N) DCS (D023I-D754I) | MR/VFO | Auto | P14-15 |
| 3 | Transmit code | F+3 | TC.*** | Press BAND to change the mode and then press ▲ or ▼ to choose | CTCSS (67.0-254.1) DCS (D023N-D754N) DCS (D023I-D754I) | MR/VFO | Auto | P15 |
| 4 | Frequency deviation | F+4 | + . | Repeatedly press F+4 | +/-/No display | Auto | Auto | P16 |
| 5 | VOX function | F+5 | VOX.* | Press ▲ or ▼ | 1-9 level/OFF | MR/VFO | Auto | P16-17 |
| 6 | Code search | F+6 | RC.*** | Press BAND to change mode | CTCSS (67.0-254.1) DCS (D023N-D754N) DCS (D023I-D754I) | Press MR/VFO confirm. Press F+1/2/3/4/VFO channel store | PTT | P17 |
| 7 | Reverse | F+7 | R | Repeatedly press F+4 | R/No display | Auto | Auto | P17-18 |

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|-----|----------------------|----------|-------------|------------------------|----------------------------------------------|---------|----------|--------|
| 8 | Voice scrambler | F+8 | SCR.** | Press ▲ or ▼ | ON/OFF | MR/VFO | Auto | P18 |
| 9 | Dual watch-operation | F+9 | DW | Repeatedly press F+9 | DW: ON Nodisplay: OFF | Auto | F+9 | P18-19 |
| 10 | Channel step | F+0+1 | STP.*** | Press ▲ or ▼ | 5/6.25/10/12.5/ 15/20/25/30/50/ 100KHz | MR/VFO | F or PTT | P19 |
| 11 | Frequency deviation | F+0+2 | 0.000.00 | Input numbers directly | 0-69.995MHz choose | MR/VFO | F or PTT | P19-20 |
| 12 | Busy lock | F+0+3 | BCL.** | Press ▲ or ▼ | ON/OFF | MR/VFO | F or PTT | P20 |
| 13 | Time-Out-Timer | F+0+4 | TOT.** | Press ▲ or ▼ | 1-9 level, 60s/ level OFF | MR/VFO | F or PTT | P20-21 |
| 14 | Channel display mode | F+0+5 | DSP.** | Press ▲ or ▼ | CH/FR/NA three kinds of mode | MR/VFO | F or PTT | P21 |
| 15 | Priority scan | F+0+6 | PCH.* | Press ▲ or ▼ | Any channel can be stored. | MR/VFO | F or PTT | P21-22 |

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|-----|-----------------------------|----------|-------------------------------|----------------------------------------|---------------------------------------------------------------------------------|--------------------|----------|--------|
| 16 | Wide/narrow bandwidth | F+0+7 | U/N * | Press ▲ or ▼ | W: 25k N: 12.5k | MR/VFO | F or PTT | P22 |
| 17 | Channel delete | F+0+8 | DEL * | Press ▲ or ▼ or input numbers directly | Any channel be stored | Press twice MR/VFO | F or PTT | P22-23 |
| 18 | Reset | F+0+9 | RESET | | Press MR/VFO, it will display "RUST"? to remind you whether you want to delete. | Press MR/VFO again | F or PTT | P23 |
| 19 | Upward scanning | F+▲ | S | Press ▲ or ▼ | Upward | | PTT | P23 |
| 20 | Downward scanning | F+▼ | S | Press ▲ or ▼ | Downward | | PTT | P23 |
| 21 | Main/sub channel shift | F+MAIN | Top/bottom rows display shift | Repeatedly press F+MAIN | Main/sub | Auto | Auto | P23-24 |
| 22 | Sending 1750 signal | F+PTT | TX 1750 | Repeatedly press F+PTT | Only this | Auto | Auto | P24 |
| 23 | Cross-band receive/transmit | F+LED | UX | | Any setting within frequency range | Auto | F+LED | P24 |
| 24 | Squelch level | F+MON | SQL * | Press ▲ or ▼ | 0-9: 9 Levels 0: Lowest 9: Highest | MR/VFO | Auto | P25 |

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|-----|------------------------------|---------------------------------------|----------------------------------|---------------------------------------------------|----------------------------------------------------------------------|--------------|----------|--------|
| 25 | Channel name edit | F+BAND | _Glitters | Press ▲ or ▼, press BAND to enter the next letter | Letters (A-Z) Numbers (0-9) Symbols (+ - /) | MR/VFO | Auto | P25 |
| 26 | Channel store | F+MR/VFO | SAV** | Press ▲ or ▼ to directly input number | Press MR/VFO, it will display "SAVE"? to remind you whether to store | MR/VFO again | Auto | P26-27 |
| 27 | Frequency channel mode shift | MR/VFO | F* and channel shift | Repeatedly press MR/VFO | Channel/ Frequency | Auto | Auto | P27 |
| 28 | Keylock | Press F long | no | | Press F for more than 2 seconds, you may keylock or unlock | Auto | Auto | P27 |
| 29 | "↓" shift | Press MAIN | "↓" up/down row shift | | "↓" indicates main channel | Auto | Auto | P27 |
| 30 | Frequency bands shift | Press BAND | Shift between F0, F1, F2, F3, F4 | Press BAND | F0 to F4 | Auto | Auto | P28 |
| 31 | Scan list additive | F+MR/VFO | S | F+MR/VFO | Displays: ON Not Displays: OFF | Auto | F+MR/VFO | P28 |
| 32 | Jacklight | ON/OFF | | ON/OFF | ON/OFF | Auto | Auto | P28 |
| 33 | FM Radio | Directly input when on frequency mode | F0-F4 | Program by computer or direct input | Frequency range 88-108MHz | Auto | Auto | P28-29 |

CTCSS

| | | | | | | | | | |
|----|------|----|-------|----|-------|----|-------|----|-------|
| 1 | 67.0 | 12 | 97.4 | 23 | 141.3 | 34 | 179.9 | 45 | 225.7 |
| 2 | 69.3 | 13 | 100.0 | 24 | 146.2 | 35 | 183.5 | 46 | 229.1 |
| 3 | 71.9 | 14 | 103.5 | 25 | 151.4 | 36 | 186.2 | 47 | 233.6 |
| 4 | 74.4 | 15 | 107.2 | 26 | 156.7 | 37 | 189.9 | 48 | 241.8 |
| 5 | 77.0 | 16 | 110.9 | 27 | 159.8 | 38 | 192.8 | 49 | 250.3 |
| 6 | 79.7 | 17 | 114.8 | 28 | 162.2 | 39 | 196.6 | 50 | 254.1 |
| 7 | 82.5 | 18 | 118.8 | 29 | 165.5 | 40 | 199.5 | | |
| 8 | 85.4 | 19 | 123.0 | 30 | 167.9 | 41 | 203.5 | | |
| 9 | 88.5 | 20 | 127.3 | 31 | 171.3 | 42 | 206.5 | | |
| 10 | 91.5 | 21 | 131.8 | 32 | 173.8 | 43 | 210.7 | | |
| 11 | 94.8 | 22 | 136.5 | 33 | 177.3 | 44 | 218.1 | | |

DCS

| | | | | | | | | | | | | | | | |
|----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 1 | D023N | 28 | D155N | 55 | D325N | 82 | D516N | 109 | D032I | 136 | D172I | 163 | D346I | 190 | D546I |
| 2 | D025N | 29 | D156N | 56 | D331N | 83 | D523N | 110 | D036I | 137 | D174I | 164 | D351I | 191 | D565I |
| 3 | D026N | 30 | D162N | 57 | D332N | 84 | D526N | 111 | D043I | 138 | D205I | 165 | D356I | 192 | D606I |
| 4 | D031N | 31 | D165N | 58 | D343N | 85 | D532N | 112 | D047I | 139 | D212I | 166 | D364I | 193 | D612I |
| 5 | D032N | 32 | D172N | 59 | D346N | 86 | D546N | 113 | D051I | 140 | D223I | 167 | D365I | 194 | D624I |
| 6 | D036N | 33 | D174N | 60 | D351N | 87 | D565N | 114 | D053I | 141 | D225I | 168 | D371I | 195 | D627I |
| 7 | D043N | 34 | D205N | 61 | D356N | 88 | D606N | 115 | D054I | 142 | D226I | 169 | D411I | 196 | D631I |
| 8 | D047N | 35 | D212N | 62 | D364N | 89 | D612N | 116 | D065I | 143 | D243I | 170 | D412I | 197 | D632I |
| 9 | D051N | 36 | D223N | 63 | D365N | 90 | D624N | 117 | D071I | 144 | D244I | 171 | D413I | 198 | D654I |
| 10 | D053N | 37 | D225N | 64 | D371N | 91 | D627N | 118 | D072I | 145 | D245I | 172 | D423I | 199 | D662I |
| 11 | D054N | 38 | D226N | 65 | D411N | 92 | D631N | 119 | D073I | 146 | D246I | 173 | D431I | 200 | D664I |
| 12 | D065N | 39 | D243N | 66 | D412N | 93 | D632N | 120 | D074I | 147 | D251I | 174 | D432I | 201 | D703I |
| 13 | D071N | 40 | D244N | 67 | D413N | 94 | D654N | 121 | D114I | 148 | D252I | 175 | D445I | 202 | D712I |
| 14 | D072N | 41 | D245N | 68 | D423N | 95 | D662N | 122 | D115I | 149 | D255I | 176 | D446I | 203 | D723I |
| 15 | D073N | 42 | D246N | 69 | D431N | 96 | D664N | 123 | D116I | 150 | D261I | 177 | D452I | 204 | D731I |
| 16 | D074N | 43 | D251N | 70 | D432N | 97 | D703N | 124 | D122I | 151 | D263I | 178 | D454I | 205 | D732I |
| 17 | D114N | 44 | D252N | 71 | D445N | 98 | D712N | 125 | D125I | 152 | D265I | 179 | D455I | 206 | D734I |
| 18 | D115N | 45 | D255N | 72 | D446N | 99 | D723N | 126 | D131I | 153 | D266I | 180 | D462I | 207 | D743I |
| 19 | D116N | 46 | D261N | 73 | D452N | 100 | D731N | 127 | D132I | 154 | D271I | 181 | D464I | 208 | D754I |
| 20 | D122N | 47 | D263N | 74 | D454N | 101 | D732N | 128 | D134I | 155 | D274I | 182 | D465I | | |
| 21 | D125N | 48 | D265N | 75 | D455N | 102 | D734N | 129 | D143I | 156 | D306I | 183 | D466I | | |
| 22 | D131N | 49 | D266N | 76 | D462N | 103 | D743N | 130 | D145I | 157 | D311I | 184 | D503I | | |
| 23 | D132N | 50 | D271N | 77 | D464N | 104 | D754N | 131 | D152I | 158 | D315I | 185 | D506I | | |
| 24 | D134N | 51 | D274N | 78 | D465N | 105 | D023I | 132 | D155I | 159 | D325I | 186 | D516I | | |
| 25 | D143N | 52 | D306N | 79 | D466N | 106 | D025I | 133 | D156I | 160 | D331I | 187 | D523I | | |
| 26 | D145N | 53 | D311N | 80 | D503N | 107 | D026I | 134 | D162I | 161 | D332I | 188 | D526I | | |
| 27 | D152N | 54 | D315N | 81 | D506N | 108 | D031I | 135 | D165I | 162 | D343I | 189 | D532I | | |

SPECIFICATIONS

| GENERAL | | | |
|-------------------------------------------|-------------------------------------------------------------------------|-------------------------------|--------------------|
| Frequency range | | Receiver | Transmitter |
| | FM(F ₀) | 88~108MHz | OFF |
| | VHF(F ₁) | 136~173.995MHz | 136~173.995MHz |
| | UHF1(F ₂) | 350~389.995MHz | 350~389.995MHz |
| | UHF2(F ₃) | 400~469.995MHz | 400~469.995MHz |
| | UHF3(F ₄) | 470~519.995MHz | OFF |
| Frequency sensitivity | 5PPm | | |
| Rated Voltage | DC7.2V (rechargeable Li-ion battery) | | |
| Memory channel | 200 channels | | |
| Antenna disposition | Inductively loaded antenna | | |
| Antenna impedance | 50Ω | | |
| Working manner | Same frequency single operation or different frequency single operation | | |
| Dimensions | 110mmX56mmX37mm | | |
| TRANSMITTER | | RECEIVER | |
| Output power | H≥5W M≥2.5W L≥1W | Sensitivity | -122dB(12dB SINAD) |
| Modulation mode (wide/narrow) | 16K∅F3E/11K∅F3E | Audio frequency power | 0.5W |
| Maximum frequency deviation (wide/narrow) | <5k/<2.5kHz | Audio distortion | <10% |
| Spurious radiation | <7uW | Blocking | ≥85dB |
| Modulation character | 6dB | Intermodulation (wide/narrow) | ≥60dB ≥55dB |
| Emission current | <1.5A(5W) | Adjacent channel selectivity | ≥65dB ≥60dB |
| CTCSS/DCS deviation(wide/narrow) | 0.75kHz±50Hz, 0.37kHz±30Hz | Spurious rejection | ≥65dB |
| Modulation sensitivity | 12mV | | |
| Modulation distortion | <5% | | |

■ All stated specifications are subject to change without notice or obligation.