

|            |               | AVRT9 Menu                                          | Firmware Version 0.94                                                                                                                              |
|------------|---------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Menu/Items |               | Functional Description                              | Optional settings (default values are in bold)                                                                                                     |
| Display    |               |                                                     |                                                                                                                                                    |
| 1          | BackLight     | Backlight duration                                  | LONG/10s/30s/300s                                                                                                                                  |
| 2          | Test UI       | Test interface                                      | OFF/ON                                                                                                                                             |
| 3          | DIST Unit     | Distance unit display settings                      | km/mile                                                                                                                                            |
| 4          | ALTI Unit     | Altitude unit display setting                       | m/ft                                                                                                                                               |
| 5          | GPS Map       | GPS map coordinate conversion options               | WGS84/GCJ02/BD09                                                                                                                                   |
| RX/TX      |               |                                                     |                                                                                                                                                    |
| 1          | APRS Freq     | APRS receive/transmit frequency                     | Manual input, default value:144.640 Mhz                                                                                                            |
| 2          | RX Vol        | Receive audio gain                                  | 1/.../7/8                                                                                                                                          |
| 3          | TX Vol        | Transmit Audio Gain                                 | 1/2/.../5                                                                                                                                          |
| 4          | Squelch       | Squelch                                             | 0/.../5/.../9                                                                                                                                      |
| 5          | TX Power      | Transmit power                                      | 0.5W/2W                                                                                                                                            |
| 6          | RX/TX enable  | Receive and transmit enable                         | RX / TX / ON/OFF                                                                                                                                   |
| APRS CFG   |               |                                                     |                                                                                                                                                    |
| 1          | CALLSIGN      | Local call sign configuration                       | Manual input, default value:NOCALL-7                                                                                                               |
| 2          | LOC source    | GPS latitude and longitude selection                | OFF/-GPS-/Posi-0/Posi-1/Posi-2/Posi-3/Posi-4/Posi-5/Posi-6/Posi-7/Posi-8/Posi-9                                                                    |
| 3          | MyPosition    | Custom GPS longitude and latitude 1-9               | Manual input,Coordinate format 0000.00N/00000.00E                                                                                                  |
| 4          | Mic-E En      | Mic-E encode                                        | OFF/ON                                                                                                                                             |
| 5          | MSG Type      | * Mic-E Message Type                                | Emergency/Priority/Special/Committed/Returning/In Service/En Route/Off Duty                                                                        |
| 6          | MySymbol      | Site identification settings                        | Manual setting, main table + supplementary table                                                                                                   |
| 7          | TX Delay      | Delay before sending                                | OFF/200ms/300ms/500ms/600ms                                                                                                                        |
| 8          | PathSelect-   | Forwarding path selection                           | Normal/Manual Note: Normal uses APRS Path/Manual uses APRS PathM (this mode is dedicated to satellite forwarding)                                  |
| 9          | APRS Path     | Forwarding Routing                                  | Manual Selection, WIDE1...3-[0 - 9]。Default: WIDE1-1, WIDE2-1, WIDE3-0                                                                             |
| 10         | APRS PathM    | Forwarding routing (satellite forwarding only)      | Custom input forwarding routing address                                                                                                            |
| 11         | MSG Text      | Additional information text selection               | OFF/TEXT-1/TEXT-2/TEXT-3/TEXT-4/TEXT-5                                                                                                             |
| 12         | TextEdit      | Edit additional text content 1-5                    | Manual Input, Maximum number of characters: 20                                                                                                     |
| 13         | TEMP          | * Additional temperature data                       | OFF/ON                                                                                                                                             |
| 14         | SPD/CSE       | Additional speed and heading data                   | OFF/ON                                                                                                                                             |
| 15         | Altitude      | Additional altitude data                            | OFF/ON                                                                                                                                             |
| 16         | Voltage       | Additional battery voltage data                     | OFF/ON                                                                                                                                             |
| 17         | DecodeOut     | Decoding format of serial port output               | OFF/UI/KISS/WPL                                                                                                                                    |
| Beaconing  |               |                                                     |                                                                                                                                                    |
| 1          | BeaconMode    | Beacon mode selection                               | OFF/AUTO T/AUTO D/SMART                                                                                                                            |
| 2          | TX Interval   | * Time interval for scheduled sending               | 1min/3min/5min/10min/15min/20min/30min/60min/120min/180min                                                                                         |
| 3          | Time Slot     | * Specify time slot for scheduled transmission      | OFF/0/1/.../59 sec.                                                                                                                                |
| 4          | TX Distance   | * Distance interval for fixed-distance transmission | 0.1km/0.2km/0.3km/0.5km/1.0km/1.5km/2.0km/2.5km/3.0km/5.0km                                                                                        |
| 5          | Speed DETE    | * Speed determination for smart sending             | Manual input, unit km/h                                                                                                                            |
| 6          | Send Rate     | * Automatic sending rate for Smart Send             | Manual input, unit sec.                                                                                                                            |
| 7          | Turn DETE     | * Angle determination for intelligent transmission  | Manual input                                                                                                                                       |
| 8          | Symbol DEF    | * SmartSend Symbol Definition                       | Manual input                                                                                                                                       |
| Digipeater |               |                                                     |                                                                                                                                                    |
| 1          | DIGI Mode     | APRS Repeater Enable                                | OFF/ON                                                                                                                                             |
| 2          | DIGI TX Delay | Relay forwarding delay                              | 100ms/300ms/600ms                                                                                                                                  |
| 3          | DIGI PATH     | Repeater forwarding routing                         | "WIDE1"/"WIDE1/2"/"WIDE1/2/3"                                                                                                                      |
| Gateway    |               |                                                     |                                                                                                                                                    |
| 1          | iGate Mode    | WIFI and APRS server enabled                        | OFF/ON                                                                                                                                             |
| 2          | iGateFilter   | Gateway upload information type selection           | Received :ON/OFF Sent:ON/OFF Beacon :ON/OFF                                                                                                        |
| 3          | InfoUpload    | Gateway upload function enabled                     | Status/Interval/SSID Gateway data upload switch/upload interval/gateway suffix selection                                                           |
| 4          | Passcode      | APRS Login Code                                     | Manual input, default:12960                                                                                                                        |
| 5          | APRS Server   | APRS Server Selection                               | China/Japan/Euro/MyServer1/MyServer2                                                                                                               |
| 6          | MyServer1     | Custom APRS Server 1                                | Manual Input,URL or IP, no need to add port number after suffix                                                                                    |
| 7          | MyServer2     | Custom APRS Server 2                                | Manual Input,URL or IP, no need to add port number after suffix                                                                                    |
| 8          | SrvHeartbeat  | Server Heartbeat Service                            | Server support:yes/no Timeout:1/2/3 min                                                                                                            |
| 9          | SrvFilter     | Server Filter function enabled ( IS->RF )           | ON/OFF Warning!!! It is foolish to forward "IS-RF" to the gateway to receive uploads to the server. This will increase the server load infinitely. |
| 10         | SrvFilterTxt  | Server Filter text ( IS->RF )                       | Manual Input, Filter Rules Link: https://www.aprs-is.net/javAPRSFilter.aspx                                                                        |
| 11         | WIFI SSID     | Wireless Fidelity Account                           | Manual Input:bi7nor                                                                                                                                |
| 12         | WIFI PWD      | Wireless Fidelity Password                          | Manual Input:abcd1023                                                                                                                              |
| Option     |               |                                                     |                                                                                                                                                    |
| 1          | AutoLock      | Automatic key lock                                  | OFF/30s/1min/5min/10min                                                                                                                            |
| 2          | KeyLock SET   | Key lock advanced settings                          | Automatically lock when powered on, unlock the power button, unlock the send button                                                                |
| 3          | Buzzer        | Buzzer setting                                      | Power on/off/receive message/send message:ON/OFF 2.7K/1K/600hZ (Audio frequency selection)                                                         |
| 4          | GPS Power     | GPS power enable                                    | OFF/ON                                                                                                                                             |
| 5          | BT Power      | Bluetooth power enable                              | OFF/ON                                                                                                                                             |
| 6          | USB Power     | Automatic shutdown when USB cable is unplugged      | OFF/30s/120s/300s/900s                                                                                                                             |
| 7          | TimeZone      | Time zone settings                                  | AUTO/UTC-14/.../UTC+0/.../UTC+13                                                                                                                   |
| 8          | TEMP Unit     | * Temperature display unit selection                | °C/°F                                                                                                                                              |
| 9          | Reset         | System/Configuration Item Reset                     | Clean../Reset..                                                                                                                                    |
| 10         | Version       | Software version information                        | —                                                                                                                                                  |

\* Shown by other projects

Note 5: Menu table "\*" is Shown by other projects

Note 6: Menu function software version 0.94, future new versions of firmware may increase or decrease menu functions based on user feedback