**A black walkie talkie with a long antenna

Description automatically generatedTH-D75E**

144 / 430 MHz Dual Bander

Following on from the TH-D74, the TH-D75E adds many useful features such as simultaneous reception of 2 D-STAR signals, Reflector Terminal mode for accessing D-STAR reflectors, enhanced voice guidance, and an APRS standalone digipeater function. Usability has also been improved with the adoption of USB Type-C, Bluetooth headset PTT support, and a fully ergonomic design. These much-anticipated additions mean that this premium model is sure to satisfy the needs of a wide range of amateur radio operators.

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| **TH-D75E** Key Features *10* *Key Features (HE/CE/COM)* |  |

1. Compatible with the APRS communication protocol, which allows real-time two-way data transmission by using packet communications. The NEW added stand-alone digipeater function enables the TH-D75E to operate as a temporary digipeater station in the fields, allowing APRS cocoverage to be expanded even in mountainous locations.
2. Compatible with D-STAR amateur radio communications network, developed by the Japan Radio League (JARL).  
   New is the simultaneous reception of 2 D-STAR signals (one on BAND A, one on Band B).
3. NEW - Reflector Terminal mode for more convenient communications via D-STAR reflectors.
4. Wideband and multimode reception.
5. IF filters for reduced reception interference.
6. IF output mode.
7. Enhanced voice guidance.
8. KENWOOD sound quality.
9. NEW - USB Type-C port.

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| **TH-D75E** Supplied With *20* *COM\_Supplied\_With* |  |

1. Antenna: Yes , Ferrite Bar Antenna suitable for receiving mid- and low-HF bands
2. Battery: Yes , KNB-75L - Li-ion battery (1800 mAh)
3. Belt Clip: Yes
4. Charger: Yes Supplied with both UK (3-pin) and EU (2-pin) mains cables
5. Instruction Manual: Yes , Printed "Basic operations" manual in English, German, French, Italian, Spanish & Dutch
6. Screw Set: Yes , for belt clip
7. USB Cable: ~~Yes~~ 🡪 changed into “No”

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| **TH-D75E** Amateur Radio General Features *30* *COM\_AMA\_General\_Features* |  |

1. 1750 Hz Tone Burst Function.: Yes
2. 8.33KHz spacing on Air Band: Yes
3. Alphanumeric LCD Display: Yes
4. Antenna Socket: SMA
5. APRS Function (via built-in TNC): Yes
6. Auto Power Off: Yes
7. Automatic Repeater Offset (VHF): Yes
8. Built-in Packet TNC 1200/9600 bps: Yes , KISS TNC
9. Built-in GPS: Yes
10. Built-in microSD/SDHC: Yes
11. Built-in micro-USB: Yes , USB Serial, USB Audio Output, Mass Storage
12. Built-in Bluetooth: Yes , HSP, SPP
13. Channel Display Mode: No
14. Clock: Yes , Time/Date Function
15. CTCSS Encoder/Decoder: Yes , Choice of 50 tones
16. CW Band Width: Yes
17. CW Pitch Frequency: Yes
18. CW Reverse: Yes
19. D-STAR: Yes
20. DCS Encoder/Decoder: Yes , Choice of 104 digital tones
21. Detect Signal Output: Yes
22. Direct Frequency Entry: Yes
23. DTMF Memory: Yes , 10 channels, 16 digits
24. Dual Receive: Yes , VHFxUHF, VHFxVHF or UHFxUHF
25. Duplex Operation: No
26. DX Cluster Monitoring (via built-in TNC): No
27. DX Cluster Tune Function: No
28. ECHOLINK Memory Dialer Channels: Yes
29. Firmware Upgradeable via USB Port: Yes
30. FM Radio: Yes
31. Front Panel KeyPad: Yes
32. GPS Port (NMEA 0183): No
33. High-Quality Front Speaker: Yes
34. IF 12 kHZ Output: Yes , to USB Audio, 2-pin Jack
35. Key Beep On/Off: Yes
36. Key Lock: Yes
37. LCD Background Color: Yes , B/W
38. Memory Channel Lock-out: Yes
39. Memory Channels with Alpha-tagging: 1000 Memory Channels
40. Memory Shift Function: Yes
41. Menu System for individual set-up: Yes
42. Meter Type: Yes , 3 types
43. Monitor Function: Yes
44. Multiple Scan Functions: Yes
45. Multi-scroll Key: Yes
46. Packet Operation - AX25 and KISS Mode: Yes , KISS mode only
47. PC Programmable Memories: Yes
48. PC Radio Control Program (Option): Yes
49. Power-On Message: Yes
50. Power-On Password Protection: No
51. Programmable Function Keys: Yes , 2 keys (PF1, PF2)
52. QSO Log: Yes
53. Reverse Repeater Checker: No
54. RX Audio Equalizer: Yes , 5 bands
55. Selectable Repeater Offsets: Yes
56. Separate Squelch for A and B Bands: Yes
57. SSB/CW/AM Reception: Yes
58. SSB Hi-cut Filter: Yes
59. AM Hi-cut Filter: Yes
60. Simultaneous 2 frequency RX: Yes
61. Sky Command 2: No
62. Time-Out Timer: Yes
63. TX Audio Equalizer: Yes , 4 bands
64. TX/RX Audio Recording: Yes , microSD/SDHC
65. USB Port: Yes , built-in Micro-USB Port
66. VOX: Yes
67. Voice Message Memory: Yes
68. Voice Guidance: Yes
69. Wide/Narrow Deviation Selection: Yes
70. Wide Band Reception: Yes

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| **TH-D75E** Amateur Portable Specification *70* *COM\_AMA\_Portable\_Specs* |  |

1. RF Output Power - 13.8 V: Yes
2. RF Output Power (approx.) - High: 5 W
3. RF Output Power (approx.) - Mid: 2 W
4. RF Output Power (approx.) - Low: 0.5 W
5. RF Output Power (approx.) - E. Low: 0.05 W
6. Frequency Range - TX - VHF: 144 - 146 MHz
7. Frequency Range - TX - UHF: 430 - 440 MHz
8. Frequency Range - TX: 144 - 146 MHz, 430 - 440 MHz
9. Frequency Range - Band A: 136 - 174 MHz, 216 - 260 MHz, 410 - 470 MHz
10. Frequency Range - Band B: 0.1 - 76 MHz / 108 - 524 MHz
11. Frequency Range - Band B - FM - W: 76 - 108 MHz
12. Number of Channels: Total 1000 Channels
13. Mode: TX: F3E, F2D, F1D, F7W  
    RX: F3E, F2D, F1D, F7W, J3E, A3E, A1A
14. Mode - Band A: F3E, F1D, F2D, F7W
15. Mode - Band B: F3E, F2D, F1D, F7W, A1A, A3E, J3E, F7W
16. Frequency Stability: +/- 2.0 ppm
17. 13.8 V DC-In Facility: Yes (use PG-2W or PG-3J)
18. Antenna Impedance - 50 Ohm: Yes
19. Microphone Impedance: 2 kOhm
20. Operating Temperature Range: -10 °C to +50 °C with standard battery
21. Operating Voltage: DC-IN: DC 11.0 - 15.9 V (STD: DC 13.8 V)  
    BATT: DC 6.0 - 9.6 V (STD: DC 7.4 V)
22. Receiver Circuitry: F3E, F2D, F1D, F7W: Double Super Heterodyne  
    J3E, A3E, A1A: Triple Super Heterodyne
23. Receiver Intermediate Frequency - Band-A - 1st IF: 57.15 MHz
24. Receiver Intermediate Frequency - Band-A - 2nd IF: 450 kHz
25. Receiver Intermediate Frequency - Band-B - 1st IF: 58.05 MHz
26. Receiver Intermediate Frequency - Band-B - 2nd IF: 450 kHz
27. Receiver Intermediate Frequency - Band-B - 3rd IF: J3E, A3E, A1A: 10.8 kHz
28. Receiver Sensitivity - Main & Sub Bands: Amateur Band  
    FM 12 dB SINAD  
    FM / NFM 144 MHz Band-A: 0.18 / 0.22 uV  
    FM / NFM 144 MHz Band-B: 0.19 / 0.24 uV  
    FM / NFM 430 MHz Band-A: 0.18 / 0.22 uV  
    FM / NFM 430 MHz Band-A: 0.20 / 0.25 uV  
    DV PN9 / GMSK 4.8 kbps, BER 1% 144 MHz Band-A: 0.20 uV / 0.22 uV  
    DV PN9 / GMSK 4.8 kbps, BER 1% 430 MHz Band-B: 0.22 uV / 0.24 uV  
    SSB 10 dB S/N Band-A: 0.16 uV  
    AM 10 dB S/N Band-B: 0.50 uV
29. Receiver Squelch: Band-A: 0.18 uV  
    Band-B: 0.25uV
30. Receiver Spurious Rejection: 144 MHz - Band-A: 50 dB or more  
    430 MHZ - Band-A: 50 dB or more  
    144 MHz - Band-B: 45 dB or more  
    430 MHz - Band-B: 40 dB or more
31. Receiver IF Rejection: Band-A: 60 dB or more  
    Band-B: 55 dB or more
32. Receiver Channel Selectivity: -6 dB: 12 kHz or more  
    -50 dB: 30 kHz or less
33. Receiver Audio Output: 7.4 V, 10% Dist.  
    400 mW or more / 8 Ohm
34. Transmitter Maximum Frequency Deviation: FM: +/- 5.0 kHz
35. Transmitter Modulation: FM: Reactance Modulation  
    DV: GMSK Reactance Modulation
36. Transmitter Modulation Deviation: FM: +/- 5.0 kHz  
    NFM: +/- 2.5 kHz
37. Transmitter Spurious Emissions: HI / MID: -60 dBc or less  
    L: -50 dBc or less  
    EL: -40 dBc or less
38. Dimensions: W x H x D   
    with KNB-75L: 56.0 x 121.95 x 32.5 mm  
    - Projections not included -
39. Weight (with battery): with KNB-75L: 340 g (net)

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| **TH-D75E** APRS Features *90* *COM\_AMA\_APRS Features* |  |

1. Alert on Special Call: Yes
2. APRS Data Output: Yes , to a PC via the USB Port or Bluetooth
3. Auto Message Reply: Yes
4. Decay Algorithm: Yes
5. Digipeat Function: ~~No~~ 🡪 changed into “Yes”
6. Message Memory: Yes , 100 Messages
7. New-N Paradigm: Yes
8. Packet Data Output: Yes Yes, to a PC via the USB Port or Bluetooth
9. Proportional Pathing: Yes
10. QSY Function: Yes
11. Received Packet Data Pop-ups: Yes
12. Relay Path Display: Yes
13. SmartBeaconing ™: Yes
14. State/Section /Region Pathing: Yes
15. Station List Memory: Yes , lists up to 100 Stations, with filtering and sorting options
16. TX Object, Item Packet: Yes
17. User Phrases: Yes
18. Visible Message Notifications: Yes
19. Weather Station Function: No

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| **TH-D75E** D-STAR Features *110* *COM\_AMA\_DSTAR\_Features* |  |

1. DV Mode: Yes
2. DV Fast Mode: Yes , USB Interface or Bluetooth
3. DR Mode: Yes
4. Communication Mode: Yes
5. Communication Mode - Direct: Yes
6. Communication Mode - Single Repeater: Yes
7. Communication Mode - Zone: Yes
8. Communication Mode - Gateway: Yes
9. Communication Mode - Refrector: Yes
10. Repeater List, Import/Export: Yes
11. Repeater Information: Yes
12. Callsign List, Import/Export: Yes
13. Near Repeater Stattion Select/Scan: Yes
14. Access Repeater Select: Yes
15. Gateway Route Select: Yes
16. Select TO Station: Yes
17. TX Message: Yes
18. GPS TX Mode: Yes
19. GPS Sentense TX Select: Yes
20. GPS Auto TX for Target Station: Yes
21. Detect FM on DV Mode: Yes
22. RX Popup Message: Yes
23. Direct Reply: Yes
24. Standby Beep: Yes
25. Code SQ: Yes
26. Auto Reply: Yes
27. Auto Reply Voice Select: Yes
28. EMR: Yes
29. RX History: Yes
30. TX History: Yes
31. Late Entry Receive: Yes
32. Packet Loss Display: Yes
33. D-STAR RX AFC: Yes
34. Digital Monitor (MONI Key): Yes
35. Car Chank Display: Yes

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| **TH-D75E** Applicable Standards *130* *COM\_Applicable\_Standards* |  |

1. IP54: Yes
2. IP55: Yes

A black radio with a antenna

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