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Here are some of the latest HT offerings and a bit of description. I have left out the common 2m/440 type radios, not because they are not good or worthwhile, but just to emphasize here some of the new technology which has come about in the last year or two (the tri-band Kenwood being an exception – included because of its SSB and CW capabilities, unique as far as I know in the world of HTs)

The **Alinco DJ-MD40T** a commercial UHF HT covering 400-480 MHz. It supports operation in traditional analog FM mode as well as DMR digital mode. Output power may be selected at: 5, 2.5, 1 or 0.2 watts. This high capacity radio supports 1000 Channels, 250 Zones with 64 channels per zone. And the sound quality is great due to digital error-correction technology that rejects noise and static. It provides consistent audio quality throughout the coverage area, even in challenging low-lying areas. It utilizes DVSI's AMBE+2 vocoder that further improves speech communication.

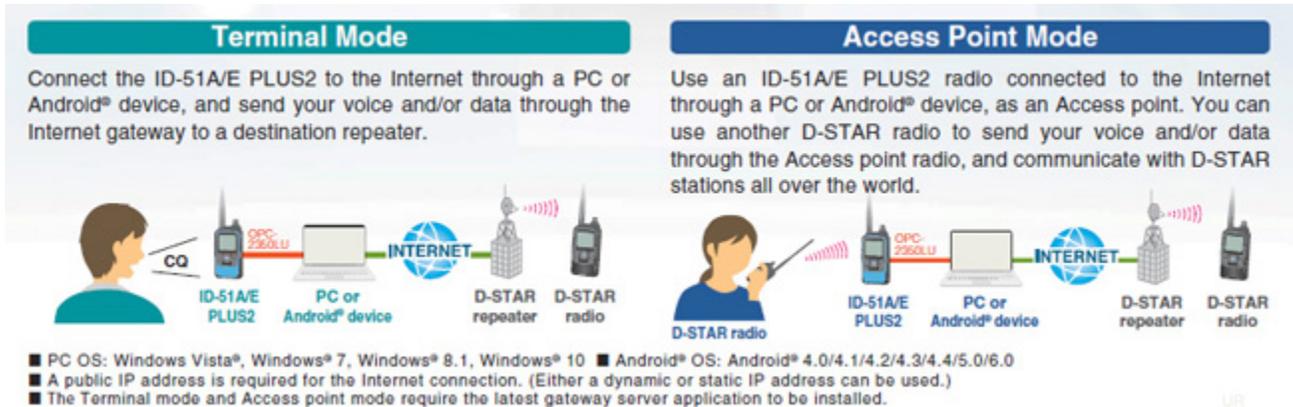
The **Icom ID-31A** lets you operate in the D-STAR mode from a very compact handheld! This 440 MHz HT also supports conventional FM comms. The transmit range is 420 to 450 MHz and the receive range is 400 to 479 MHz in FM, FM-N and DV modes. It is IPX7 waterproof and features a built-in [GPS](#)! It has a huge 1252 alphanumeric memory system featuring, 500 Regular, 700 D-STAR Repeater Memories, 50 Scan Edges and 2 Call Channels. There is a Micro SD card slot for an optional memory card. This can be used to store DVR Incoming/Outgoing Messages, GPS Log and Memory Backup. There is built-in CTCSS/DTCS encode/decode for analog FM. Several [battery options](#) are available.

The **Icom ID-51A PLUS** is the updated and enhanced version of the famous [ID-51A](#). It retains all the capabilities of the original ID-51A, but adds five new features (see ✓ above). It covers 2 meters and 440 MHz and receives two bands simultaneously (V/V, U/U & V/U). It is IPX7 waterproof and features a built-in GPS! The large 128x104 dot-matrix [display](#) is impressive. This radio has an astounding 1304 channel alphanumeric memory system. There is a Micro SD card slot for an optional memory card. This can be used to store DVR Incoming/Outgoing Messages, GPS Log and Memory Backup. There is built-in CTCSS/DTCS encode/decode for analog FM. It even features an independent AM and FM broadcast receiver. A new Voice Memory feature records incoming and outgoing calls and can be used as a voice recorder.

- ✓ Faster Data transfer in DV mode
- ✓ RS-MS1A Android™ Application (optional OPC-2350LU cable required)
- ✓ Additional Dplus reflector link commands
- ✓ DV and FM repeater search functions
- ✓ Enhanced D-PRS functions

The Icom ID-51A *PLUS 2* is the third generation of the successful D-Star HT.

- Terminal Mode
- Access Point Mode



The **Kenwood TH-D72A Data Communicator** is equipped with a built-in TNC (1200/9600) and provides APRS® (Automatic Packet/Position Reporting System) and there is an [integrated GPS!](#) Transmit coverage is 144-148 and 430-450 MHz. Receive coverage is: Band A 136-174 & 410-470 MHz, Band B 118-174 & 430-450 MHz. And the TH-D72A can be employed as part of Kenwood's Skycommand System II+ when used with the TS-2000 series. The TH-D72A also offers EchoLink® memory compatibility and a mini-USB connector for enhanced computer connectivity.

The **Kenwood TH-D74A** is showing the way to even more capable and versatile amateur digital HTs. The model made its maiden appearance at the 2016 *Dayton Hamvention*. This tri-band radio operates on the 144, 220 and 440 MHz bands. Supported modes include: DV / DV Fast data / FM / NFM / WFM / AM (receive). It is equipped with a built-in TNC (1200/9600) and provides APRS® (Automatic Packet/Position Reporting System) and there is an integrated GPS! It will also support D-Star with superior audio. It is Bluetooth compliant and supports microSD and Micro-USB.

The **Kenwood TH-F6A** compact tri-band handheld raises the bar. This amazing radio transmits in the 144, 200 and 440 amateur bands and has dual channel receive capability. Enjoy full 5 watts output on each band while operating with the supplied 7.4 volt 2000 mAh lithium-ion battery (or external 13.8 VDC power). A low power setting of 0.5 watts and an extra low power output of 0.05 watts is featured. The [controls](#) are easy to use and the [LCD](#) informs you of the exact status of the radio.

This radio offers sophisticated wideband communications reception. The special "B" band has reception from 100 kHz in to 1300 MHz (less some restricted frequencies) in F2D, F3E (FM),

A3A (AM), A1A (CW) and J3E (SSB). That's right, Morse code and single sideband. A built-in [Ferrite bar antenna](#) insures reception of medium wave and long wave even without the detachable antenna. There is even a special ten channel weather station mode. Your TH-F6A is ready to add your 1200/9600 TNC (no adapter required).

The **Kirisun TP660U** DMR UHF 400-470 MHz HT provides superior audio quality, versatile functionality, durability and flexibility to solve problems confronted in harsh environments. It meets the rugged IP67 and MIL-810C/D/E/F/G standard. Two-time slot transmission design reduces transmit time in half and thus increases the longevity of the supplied KB-78B Li-ion 2000 mAh battery. It provides up to 14 continuous working hours in analog mode and 16 hours in digital mode. Power is selectable at 1 or 4 watts. Channel spacing is 12.5/25 kHz analog and 12.5 kHz digital.

The **TYT MD-380 UHF** DMR handheld transceiver uses the latest TDMA - Time Division Multi Access technology. It also operates in traditional analog FM modes with 12.5 or 25 kHz channel operation. The radio features a large color display. Channels may be labeled with up to 11 characters displayed. The tri-colored LED indicates: Green - receive, Orange - scanning, or Red - transmitting. Coverage on the UHF model is 400 – 480 MHz with 5 or 1 watts. There is a rotary click knobs on the top panel for power/volume and one for 16 channel selection. The DTMF keys on the front panel are backlit.

The **TYT MD-390 UHF** DMR handheld transceiver uses the latest TDMA - Time Division Multi Access technology. It also operates in traditional analog FM modes with 12.5 or 25 kHz channel operation. The radio features a large color display. Channels may be labeled with up to 11 characters displayed. The tri-colored LED indicates: Green - receive, Orange - scanning, or Red - transmitting. Coverage on the UHF model is 400 – 480 MHz with 5 or 1 watts. There is a rotary click knobs on the top panel for power/volume and one for 16 channel selection. The DTMF keys on the front panel are backlit. Meets stringent IP67 water resistant standard. The **TYT MD-390 UHF GPS** version features a built-in GPS receiver.

The **Wouxun KG-UV5D-62** is a "6 meter" version of the Wouxun KG-UV5D-24 covering the 6 meter and 2 meter bands. 5 watts on 137-174 and 4 watts on 50-54 MHz. Includes longer flexible antenna.

The [original FT1DR](#) offered a new level of technology that you can hold in your hand. This 2 meter/440 HT provides both analog and digital communications on both bands with up to 5 watts. This new HT optimizes the merit of digital communications with 12.5 kHz C4FM FDMA. Enjoy wideband receive from 500 kHz to 999 MHz (less cellular frequencies) including the AM and FM broadcast band. Solid AM band reception is enhanced with a built-in bar antenna. Other features include: vibrate function, GPS with logging and exchange function, image transmit (QVGA 320 × 240), WiRES™, optional camera microphone, mini-USB port, Micro-SD card port. And it is robustly constructed to withstand water spray (IPX5 rating). 2.4 x 3.7 x 1.1 inches 9.35 oz. The new **Yaesu FT1XDR** (shown above) replaced the FT1DR. It is the same radio with an improved GPS receiver

The **Yaesu FT2DR** provides sophisticated 2 meter/440 HT operation in traditional FM mode and C4FM FDMA digital modes. The 1.7-inch high resolution touch screen display provides loads of information through an easy to navigate interface, providing stress-free operation and a high level of on-screen visibility for the FT-2DR operator. The FT2DR is equipped with Yaesu's versatile AMS (Automatic Mode Select) capability providing FM friendly digital communications that instantly recognizes either digital or FM analog communications. This enables co-existence between various modes. It has standard System Fusion features such as (but not limited to): Snapshot with image data transmitting (requires MH-85A11U), Smart Navigation, Digital Group Monitor (GM) featuring position data and ID data transmitting during transmissions, and full support for the new WiRES-X System. Other enhancements include: 700 mW clear loud audio, built-in High Sensitivity 66 ch GPS with antenna, 1200 bps/9600 bps APRS® function, Dual watch (V/V, U/U/, V/U), Dual Monitor (C4FM Digital/C4FM Digital), GPS Logging/Recording capabilities, Water resistant (IPX5 Rating) and MicroSD Card Slot.