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We do recommend that you purchase your equipment from an established and reputable company i.e. no e-bay

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This presentation does show web pages from various companies including the listed prices for equipment we are recommending. This is not meant to endorse the company, but to give you an approximation of the price you can expect pay for the given item.

To qualify for this list items had to:

- Currently be in production and available for purchase
 - We will not recommend any equipment that is no longer manufactured

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- Approved by
 - Bryan Leavitt W0BCL
 - James Nelson WOJRN

LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment Review HT's at 3 different levels Basic Intermediate Advanced Copyright LARC 09/2022

Review HT's at 3 different levels

- Basic
- > Intermediate
- Advanced

Review Base/Mobile units at 4 different levels

- Single band
- Basic
- > Intermediate
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Briefly look at recommended

- Antennas and mount
- Coax
- Surge suppression
- Power Supply

LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Features Dual Band** Able to transmit/receive in both 2 m and 70 cm bands

Features

- Dual Band
 - Able to transmit/receive in both 2 m and 70 cm bands
- Dual Receive
 - Simultaneous receive on two different frequencies
 - V/V, V/U, U/V, U/U

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- **APRS**
 - Automatic Packet Reporting System
 - Transmits/Receives current position and other information
 - Requires GPS
 - * 144.39 mHz in North America

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 - V/V, V/U, U/V, U/U
- **APRS**
 - Automatic Packet Reporting System
 - Transmits/Receives current position and other information
 - Requires GPS
 - 144.39 mHz in North America
- Cross Band Repeat
 - Allows the unit to be used as temporary repeater
 - Input/Output are usually on separate bands

LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **MODES Analog** Supported by all manufacturers and virtually all radios Wide (25 kHz) and narrow FM (12.5) kHz)

MODES

- Analog
 - Supported by all manufacturers and virtually all radios
 - Wide (25 kHz) and narrow FM (12.5) kHz)
- D-Star (Digital Smart Technologies for Amateur Radio)
 - Developed in Japan
 - Supported mostly by ICOM
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- C4FM (Continuous Four Level Frequency Modulation)
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- DMR (Digital Mobile Radio)
 - Amateur and commercial standard
 - Supported by multiple manufacturers
 - → Recommended beginning digital mode for amateur use



LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment HT's All models are dual band All models support analog mode Recommended basic model Copyright LARC 09/2022

HT's

- All models are dual band
- All models support analog mode
- Recommended basic model
 - Yaesu FT-65R
 - 5/2.5/0.5 watts
 - IP54 (water resistant)
 - FM broadcast receive
 - Weather channels with alert





Manufacturer: Yaesu Model: FT-65R Price: \$89.95

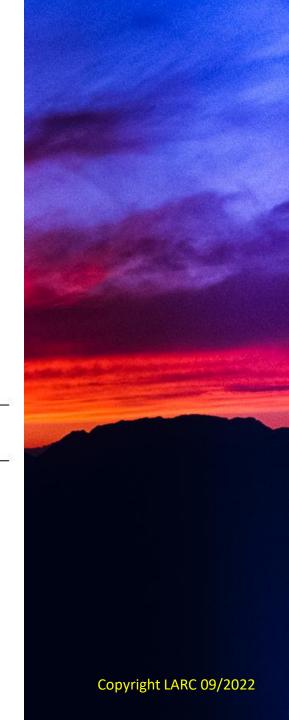


The FT-65R is very compact and light, yet ruggedly constructed. Three selectable output power settings. The Big Front Speaker provides a full 1 Watt of powerful very crisp and clear audio output in keeping with YAESU uncompromising pursuit of audio quality.

The supplied 1950 mAh Li-ion battery pack is capable of over nine hours operation while an optional higher capacity 2500mAh Li-ion battery pack provides ofer 11.5 hours of expanded operating time for those needing even more operating time between recharges.

Supplied Accessories

- Antenna
- 7.4V 1950mAh Li-ion Battery Pack(SBR-25LI)
- Rapid Charger(SBH-22)
- AC Adapter(SAD-20B)
- Belt Clip(SBH-18)
- Operating Manual and Warranty Card





HT's

- Basic model runner up
 - BaoFeng BF-F8HP
 - 8/4/1 watts
 - FM broadcast receive
 - Be careful! Capable of transmitting outside of Hambands





BaoFeng BF-F8HP



\$64.89

BaoFeng BF-F8HP (UV-5R 3rd Gen) 8-Watt Dual Band Two-Way Radio (136-174MHz VHF & 400-520MHz UHF) Includes Full Kit with Large Battery

CATEGORY: HANDHELD

CHARGING PLUG ADAPTER:

AU(/\) US(II) EUF

EURO (• •) UK (_'_)





Frequently Bought Together







- ▼ This Product: BaoFeng BF-F8HP CHARGING PLUG ADAPTER: US (11)
 - \$64.89
- PC03 Programming Cable

- Recommended Intermediate
 - **BTECH DMR-6X2**
 - Includes 2 batteries and programming cable
 - DMR tier 1 and tier 2
 - VHF 7/5/2.5/1 watts UHF 6/5/2.5/1 watts
 - Be careful! Capable of transmitting outside of Hambands



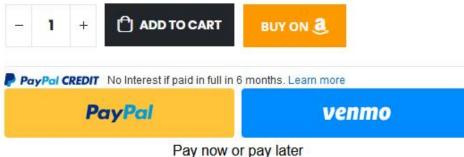
BTECH DMR-6X2 DMR Digital and Analog Professional Radio

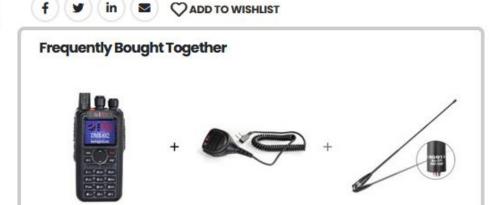
** * * * 15 customer reviews | Add a review

\$209.89

BTECH DMR-6X2 (DMR and Analog) 7-Watt Dual Band Two-Way Radio (136-174MHz VHF & 400-480MHz UHF), with GPS and Recording, Includes Full Kit with 2 Batteries, Programming Cable, and More

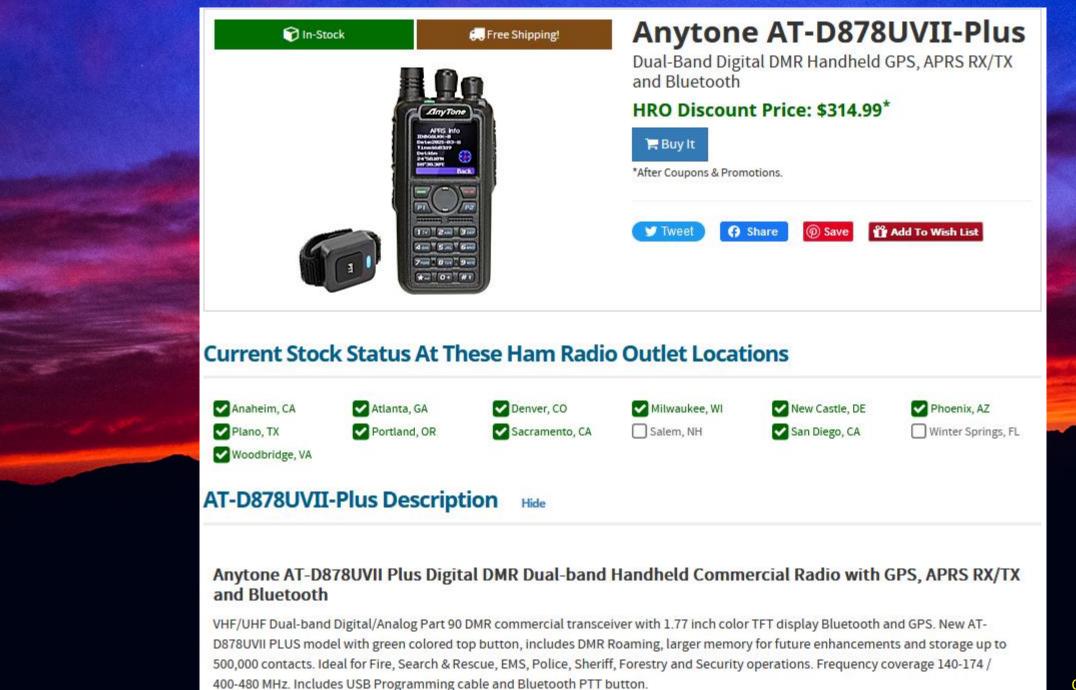
CATEGORY: HANDHELD





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- Recommended Advanced
 - Anytone AT-D878UVII-Plus
 - APRS/GPS
 - DMR tier 1 and tier 2
 - 6/4/2.5/1 Watts
 - Bluetooth
 - FCC part 90 certified
 - Be careful! Capable of transmitting outside of Hambands



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Base/Mobile Stations

- All models support analog mode
- Single band models not recommended but budget friendly
 - Yaesu FTM-3100R
 - 65 watts
 - Includes programming cable and mounting bracket
 - Auto power off
 - 3 year warranty





Manufacturer: Yaesu Model: FTM-3100R Price: **\$159.95** BUY

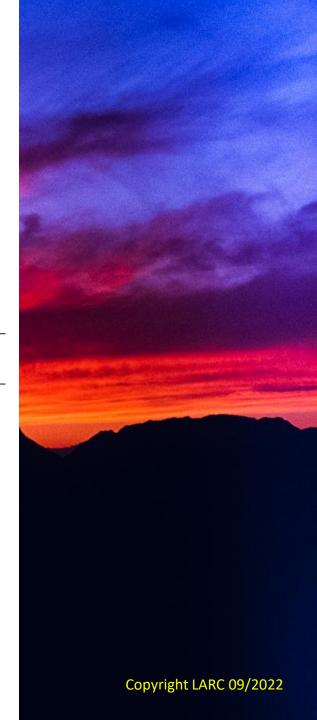
The new FTM-3100R is a VHF conventional FM mobile transceiver. Features include a ruggedly built yet compact transceiver, 65 watts of output power, 3W front panel speaker, expanded receiver coverage from 136-174MHz, 220 memory channels with 8 Alpha-numeric Tags, Automatic Repeater Shift(ARS), Automatic Power-Off(APO) and many more features.....

Supplied Accessories

- MH-48A6JA DTMF Microphone
- USB Cable
- Mounting Bracket
- DC Power Cord w/Fuse
- Operating Manual, Safety Guide, and Warranty Card

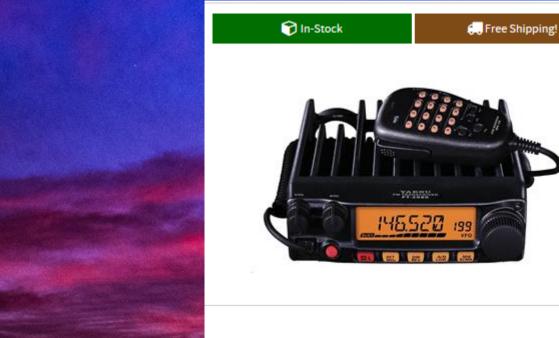
2M 65W FM Mobile

- Power: 65W RF output
- AMS(Automatic Mode Select)
- Front Panel Speaker
- 220 Memory Channels
- Expanded Receiver Coverage: 136 - 174 MHz
- Warranty: 3 Years



Base/Mobile Stations

- All models support analog mode
- Single band models not recommended but budget friendly
 - Yaesu FT-2980R
 - 80 watts
 - Includes mounting bracket
 - Weather channels with alert
 - 3 watt audio output
 - 3 year warranty



YAESU FT-2980R

144 MHz 80 Watt FM Mobile Transceiver - 3 Watts of RX Audio - With MH-48A6JA DTMF Microphone

HRO Discount Price: \$179.95*



*After Coupons & Promotions.









Current Stock Status At These Ham Radio Outlet Locations

Anaheim, CA

🗸 Atlanta, GA

Denver, CO

Milwaukee, WI

New Castle, DE

Phoenix, AZ

✓ Plano, TX

✓ Woodbridge, VA

Portland, OR

Sacramento, CA

Salem, NH

San Diego, CA

Winter Springs, FL

FT-2980R Description

We are pleased to announce Yaesu's powerful VHF Mono Band FM Analog Mobile Transceiver - The FT-2980R.

As its model name suggests, the FT-2980R arrives with the solid feature configuration and mechanical toughness of the ever popular FT-2900R - with a superior output power that is upgraded to 80 Watts!!

With the new FT-2980R, four output power settings - 80W, 30W, 10W and 5W – are selectable, allowing each user to choose the power they want for their operating style and situations. A Massive Heatsink guarantees a solid 80 Watts of RF Power with no cooling fan needed. Thanks to a loud 3 Watts of audio output, the operator can enjoy reception - even in noisy environments.

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LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Base/Mobile Stations** All models support analog mode Recommended dual band basic model

Base/Mobile Stations

- All models support analog mode
- Recommended dual band basic model
 - NONE
 - Suggestions?

Base/Mobile Stations

- All models support analog mode
- Recommended dual band intermediate model
 - lcom IC-2730A
 - Detachable face plate
 - V/V U/U simultaneous receive
 - Optional Bluetooth
 - 50/15/5 watts



Catalog | Transceivers - Multi - Mobile <-- back



Manufacturer: Icom

Model: IC-2730A



Price: \$309.95





Share 2 people like this. Sign Up to see what your friends like.

Practical Dual Bander with Optional Bluetooth. This new mobile it ideal for the ham enthusiast searching for a high performing radio with classic 2M/440 analog operation.

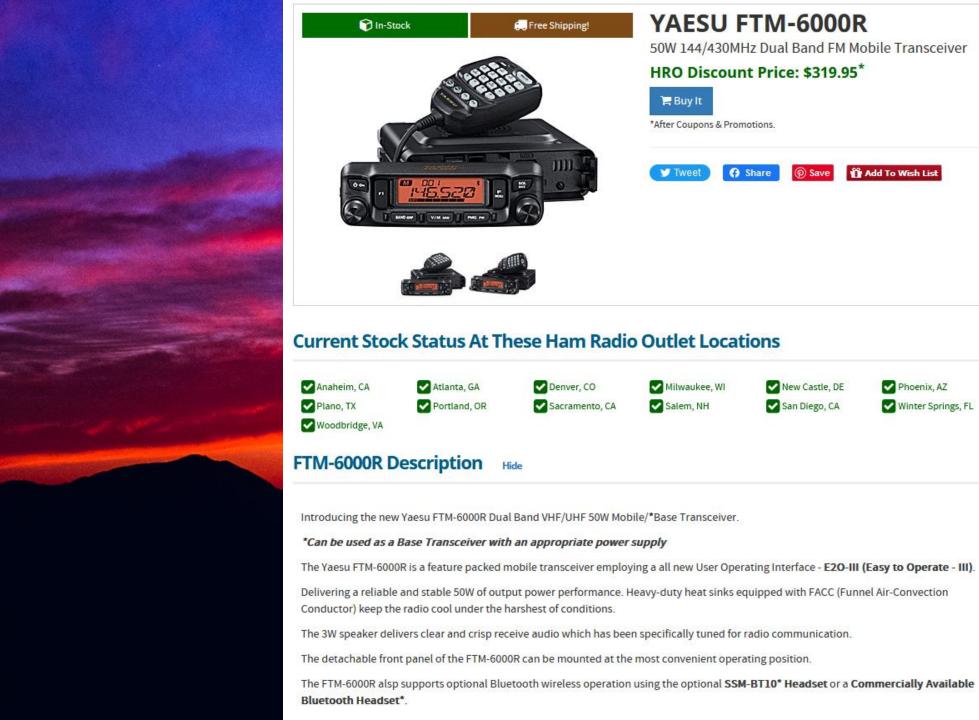
Supplied Accessories:

- Hand Microphone(HM-207)
- DC Power Cord
- Contoller Cable
- Microphone hanger
- Spare Fuses



Base/Mobile Stations

- All models support analog mode
- Recommended dual band intermediate model
 - Yaesu FTM-6000R
 - Detachable face plate
 - Includes control and programming cables
 - Aircraft band
 - Optional Bluetooth
 - 50/25/5 watts



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LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Base/Mobile Stations** All models support analog mode Recommended tri band advanced model

Base/Mobile Stations

- All models support analog mode
- Recommended tri band advanced model
 - AnyTone AT-D578UVIII Plus
 - 10 watts 220 mHz, 50 watts 146 mHz, 45 watt 450 mHz
 - Aircraft band, Bluetooth, APRS, GPS, DMR tier 1 & 2
 - Cross-band repeat
 - **1**36-174, 220-225, 400-520 RX/TX
 - FCC part 90 certified
 - Be careful! Capable of transmitting outside of Ham bands

AnyTone AT-D578UV Tri-Band Mobile





AT-D578UVIII PRO

Manufacturer's Suggest Retail Price \$399.00

Tri-Band / GPS / APRS / Bluetooth FCC Part 90 Certified

AT-D578UVIII PLUS

Manufacturer's Suggest Retail Price \$459.00

Tri-Band / GPS / APRS / Bluetooth Aircraft Band Receive FCC Part 90 Certified

LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Recommended HT Antenna** Nagoya 771 Watch for fakes Make sure the base matches About \$18.00 Copyright LARC 09/2022





LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment Recommended Base Antenna Diamond X50A

- 200 watt power limit
- Dual band
- 4.5 dBi gain 2 m, 7.2 dBi gain 70 cm

Diamond Antenna X50A Dual-Band Base/Repeater Antennas X50A







\$99.95

Diamond Antenna X50A Dual-Band Base/Repeater Antennas



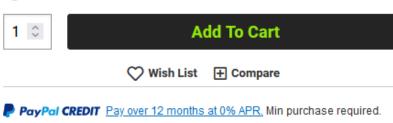
Antenna, Vertical, Dual-Band Base/Repeater, Fiberglass, 2m/70cm, 200W, UHF Female/SO-239, 5.6 ft. Height, Each See More Specifications

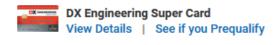
In Stock (more than 10 available)

Estimated Ship Date: Today

Would you rather pick it up? Select Location







Share with your friends





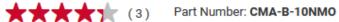




Recommended Mobile Antenna

- Comet B-10 NMO
 - 50 watt power limit
 - Dual band
 - Clears garage door when mounted on roof of vehicle

Comet Mobile VHF/UHF Vertical Antennas B-10NMO









\$42.99

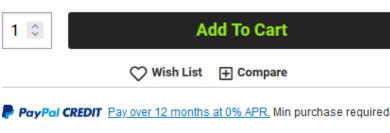
Comet Mobile VHF/UHF Vertical Antennas >

Antenna, Mobile, Vertical, Black, NMO Mount, 2m, 70cm, Whip and Spring, 50 W, 12 in., Each See More Specifications

In Stock (more than 10 available)

Estimated Ship Date: Today

Would you rather pick it up? Select Location





Recommended Mobile Antenna Mount

- > NMO
 - Strongest mount
 - Very widely used in amateur and commercial applications
 - Waterproof when installed correctly

Comet CK-3NMO Deluxe Mobile Mount Cable Assemblies CK-3NMO



Part Number: CMA-CK-3NMO







\$42.99

Comet CK-3NMO Deluxe Mobile Mount Cable Assemblies

Cable Assembly, NMO Base, 16.75 ft. Cable Length, Includes 18 in. RG-188 Pass Through Cable, PL-259, Each

See More Specifications

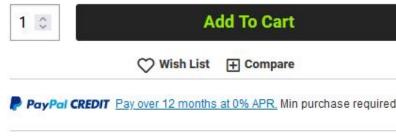
In Stock (more than 10 available)

Estimated Ship Date: Today

Would you rather pick it up? Select Location

DX Engineering Super Card

View Details | See if you Prequalify



Recommended Coax

- Bury-Flex
 - Center conductor stranded copper not CCA
 - Dual shield
 - Indoor/outdoor, direct burial
 - Very low loss
 - Low cost



Bury-FLEX ™ Flexible Low-Loss Coax

By combining a gas-injected foamed dielectric with a dual foil and braid shield construction, **BURY-FLEX™** provides the electrical and performance characteristics found in the more expensive 400-series coaxes as well as typical air dielectric type cables.

The Polyethylene (PE) jacket is durable enough for Direct Burial, yet flexible enough to be used for Rotator Loops. The PE jacket also provides improved UV resistance compared to typical PVC jackets, significantly extending the life of your cable.

Pricing Table				
QTY	<100 ft	<499 ft	<999 ft	>1000 ft
COST	\$1.03/ft	\$.96/ft	\$.90/ft	\$.84/ft



Typical Characteristics				
Impedance:	50 Ohms			
Capacitance:	24.6 pF/FT			
Velocity:	82% nom.			
Attenuation dB/100 FT				
10 MHz	.6			
50 MHz	1.1			
100 MHz	1.5			
200 MHz	2.0			
400 MHz	2.8			
700 MHz	3.9			
900 MHz	4.4			
1000 MHz	4.8			

Physical Properties			
Conductor:	9.5 AWG Stranded Bare Copper		
Dielectric:	Foamed PE		
Shield 1:	Bonded Foil (100% Coverage).		
Shield 2:	Tinned Copper Braid (97% Coverage)		
Jacket:	UV Resistant PE .405" nom OD		
Cable Weight:	.1 lbs/ft nom.		
Bend Radius:	2" min.		
Suitable for Indoor, Outdoor and Direct Burial Applications.			



LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Recommended Surge Protector** Alpha Delta ATT3G50UHP 2,000 watt power rating Replaceable gas discharge tube Low inseration loss

Alpha Delta UHF Connector Coaxial Cable Surge Protectors ATT3G50UHP



Part Number: ALF-ATT3G50UHP





\$55.99

Alpha Delta UHF Connector Coaxial Cable Surge Protectors



Surge Protector, Coaxial, DC pass, UHF Female, SO-239, Stud Mount, 2,000 W Power Rating, Each

See More Specifications

In Stock (more than 10 available)

Estimated Ship Date: Today

Would you rather pick it up? Select Location



Add To Cart







PayPal CREDIT Pay over 12 months at 0% APR. Min purchase required.



LARC Recommended 2 Meter / 70 Centimeter Radios and Auxiliary Equipment **Recommended Power Supply** Samlex SEC-1235M 30 amps continuous 35 amps max Weight 3.4 pounds Copyright LARC 09/2022

Samlex Desktop Switching Power Supplies SEC-1235M



Part Number: SXA-03435











\$169.95

Samlex Desktop Switching Power Supplies >

SEC-1235M Desktop Switching Power Supply, Dual Meters, Input: 120 VAC/230VAC Internal Set, Output: 13.8 VDC, 30 A, Each See More Specifications

Estimated Ship Date: Today

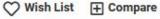
Would you rather pick it up? Select Location







Add To Cart







PayPal CREDIT Pay over 12 months at 0% APR. Min purchase required.



DX Engineering Super Card





