Shown with after-market keyer paddle, keyboard, and monitor (not supplied). Optional Data Management Unit (DMU-2000) and monitor are required for viewing of Audio Scope and other display features.
In today’s world of e-mail and the Internet, it’s possible to communicate effortlessly with anyone in the world. So why is it that Hams are more and more enchanted by the lure of HF DX every day? It’s because the romance of HF DX is more alive than ever. With every advance in our understanding of the ionosphere, more questions arise, and we want the ability to pull imperceptible signals out of the swirling plasma storms above us, unlocking the mysteries of how the signals get from “there” to “here.” That wondrous moment when you hear the rare DX station coming back only to you. It’s a feeling that can only be appreciated by someone with the soul of a DXer. It’s called the “Magic of DX” and it’s what HF operation is all about. That primal need to explore, to know who is out there, and to find out first-hand. And the magnificence of Nature can only be truly appreciated when you have the best technology connected to your antenna, allowing you to hear like never before. And, of course, it’s not just the fact of making the QSO that makes DXing magical. It’s the path you follow on the way to the destination.

HF Excitement

HF operation is more enchanting than ever...

The DXer’s Choice: FT-2000

It’s a dynamic natural and man-made environment in which DXers perform their magic on the airwaves. So it’s not enough just to hear a signal and then call back in the hope of making a QSO. But when you make the decision to invest in a radio that makes you a partner with the DX station so far away, only then can you realize the total DX experience!

YAESSU brings you innovation and quality you just won’t find elsewhere!

The FT-2000 is the 2nd Generation of the proud lineage of the FT DX 9000 Series, which represented a quantum leap in HF transceiver performance when it was introduced in 2005. Now, the FT-2000 takes its own place as a new benchmark in performance, following the elite-class success of the MARK-V FT-1000MP.

The FT DX 9000, widely acclaimed for its unmatched total system performance, broke new ground in design with such ultra-high-performance features as the high-Q µ-Tuning and VRF Preselector systems in the receiver front end, as well as the superb interference-rejection capability of its IF DSP. These same capabilities can be yours with the FT-2000.

Add the optional DMU-2000 Data Management Unit, and you can also utilize the powerful Audio Scope, Oscilloscope, Spectrum Scope, Logging, and Rotator Control capabilities, using your own computer monitor (not supplied).

Witness the birth of the newest and most powerful DX Transceiver ever: the YAESU FT-2000

High-speed Direct Digital Synthesizer (DDS) and 200 MHz High-spec Digital PLL for Outstanding Local Oscillator Performance

1st IF 3 kHz Roofing Filter Included

Triple-Conversion Receiver Design using 69.450 MHz 1st IF

Ultra-strong Receiver Front End Includes Bandpass Filters and Variable RF (VRF) Preselector

IF WIDTH, IF SHIFT, NOTCH, and CONTOUR Features Included

Advanced Multi-function 30 kHz 32-bit Floating Point IF DSP

Dual Receive (in-band) utilizing Fully Independent Receiver IF Systems

Class-A Transmitter Operation (200-Watt version)
High-performance Receiver Design utilizing System-wide Gain and Intercept Balancing

Triple-conversion Receiver Design with Optimized Stage Balance

Designed with the same emphasis on efficiency as used with a transmitter, the receiver design of the FT-2000 is centered around optimization of each stage’s gain, intercept, and selectivity. The triple-conversion design features a 1st IF of 69.45 MHz, a 2nd IF of 450 kHz, and a 3rd IF of 30 kHz (FM: 24 kHz), and each stage’s advanced filtering protects the stages to follow from unwanted signal voltage, leading to a quiet, ultra-sensitive receiver with impeccable total system performance.

Robust Receiver Front End

The RF amplifier stage is designed for low and high intercept, utilizing two strong series-connected 2SC3356 bipolar transistors with negative feedback for consistent, repeatable performance. The front-panel IPO (Intercept Point Optimization) is the function which allows you to set the total front end gain, so as to optimize RF stage performance. The ultra-strong first mixer of the FT-2000 features SP4M501 FETs in a highly-dynamic configuration optimized for a multi-band environment. The active design results in no net loss in the mixer circuit, often eliminating the need for preamplification prior to direct feed of received signals to the first mixer.

Dual Receive (In-band) Featuring Independent IF Strips

The sub receiver of the FT-2000 is an analog type, with a completely independent IF section so that strong signals appearing on the main receiver do not affect signals on the sub receiver. This brings you the true benefits of dual receive operation. The IF passband of the sub receiver may be varied between 2.4 kHz and 1.1 kHz, and an optional Collins® Mechanical Filter of 500 Hz (FY-122C) or 300 Hz (FY-122C2) may be added, for sharper selectivity on CW.

Variable RF Preselector (VRF) Covers the 1.8 - 28 MHz Amateur Bands

To provide protection for the RF stages, as well as the three IF stages, the front end filtering system utilizes a combination of twelve fixed bandpass filters and Yaesu’s exclusive VRF (Variable RF) Preselector. These two RF filter systems protect the early stages of the receiver from overload caused by strong out-of-band signals. The high-Q VRF system, much narrower in bandwidth than the fixed bandpass filters, are crafted using high-permeability toroidal coils (T-80 and T-37 type) and tuning capacitors, producing 44 tuning steps for optimal rejection of source signals.

The 69.450 first IF of the FT-2000 features three roofing filters, in bandwidths of 15 kHz, 6 kHz, and 3 kHz, optimized by mode for best performance on today’s crowded bands. Each roofing filter is a four-pole fundamental-mode monolithic crystal filter design to produce excellent shape factors. Especially useful during busy contest weekends, the roofing filters are placed across the main RF output right after the first mixer, improving IP3 (3rd-Order Intercept Point) performance for all stages that follow.

High-speed Direct Digital Synthesizer (DDS) and 200 MHz High-speed Digital PLL for Distinctive Local Oscillator Control

In seeking to improve the strong-signal-handling capabilities of the receiver section, in a multi-signal environment the Yaesu design team has developed a high-speed, ultra-low-noise local oscillator system that produces a very clean first IF signal. The high Carrier-to-Noise (CN) ratio of the 200 MHz high-speed digital PLL is the result of very fast lock time, because the local design does not entail the use of a prescaler but rather locks directly on the 1st local frequency. As a result, the unmatched frequency response and close-in blocking performance are substantially enhanced.

IF Shift System

The FT-2000’s IF Shift system is highly effective for removing interference. While leaving the pitch of the incoming signal unchanged, as well as the bandwidth of the IF passband, the IF Shift system allows you to roll off low-frequency or high-frequency interference, while leaving the pitch of the incoming signal unchanged.

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First IF 3 kHz Roofing Filter is Factory Installed

While leaving the pitch of the incoming signal unchanged, as well as the bandwidth of the IF passband, the IF Shift system allows you to roll off low-frequency or high-frequency interference, while leaving the pitch of the incoming signal unchanged.

The incredibly sharp “brick wall” filters of the IF DSP system can expose characteristics of incoming signals that you’ve never before heard, not all of which are pleasant to listen to. But, using the CONTOUR control, you can roll off low-frequency or high-frequency components so as to shape the receiver passband. A digitally-tuned configuration of the mid-range area, with continuous adjustment throughout the passband. By nulling out interfering or irrelevant frequency components, the desired frequency components are allowed to rise above the noise floor, improving fidelity and signal-to-noise ratio.

Digital Noise Reduction

For reduction of random noise types, the FT-2000 utilizes a powerful Digital Noise Reduction filter, which canolate fourteen different noise analysis parameters specially created after hundreds of hours of on-the-air testing. The operator may choose any of these parameters to reduce noise most effectively, based on noise conditions at any given time.

Gain and Intercept Balancing

The IF DSP system can expose characteristics of incoming signals that you’ve never before heard, not all of which are pleasant to listen to. But, using the CONTOUR control, you can roll off low-frequency or high-frequency components so as to shape the receiver passband. A digitally-tuned configuration of the mid-range area, with continuous adjustment throughout the passband. By nulling out interfering or irrelevant frequency components, the desired frequency components are allowed to rise above the noise floor, improving fidelity and signal-to-noise ratio.

DSSB Modulation

The FT-2000 utilizes a phase-shift digital modulation technique that not only provides an analog-sounding high-quality digital SSB modulation envelope, but also allows the transmission bandwidth to be adjusted by the operator.
Unlock the Secrets of the Low Bands

YAESU's Exclusive, Fully-Automatic µ-Tuning Preselector System!

On the lower Amateur bands, the signal voltages impinging on a receiver can create noise and Intermodulation effects that can cover up weak signals you're trying to pull through. So YAESU's engineers developed the µ-Tuning system for the FT-2000, and it's now available as an option for the FT-2000. Three modules are available (MTU-160, MTU-80/40, MTU-30/20), and these modules may be connected externally with no internal modification required! When µ-Tuning is engaged, the VRF system is bypassed, but the fixed Bandpass Filters are still in the received signal path.

The µ-Tuning filters utilize a stack of large 1.1” (28 mm) Ni-Zn Ferrite cores, driven through a silver-plated coil assembly by a precision stepper motor. The resulting high Q typically over 300 provides a very steep resonance peak near your operating frequency. The typical stepper motor. The resulting high Q (typically over 300) provides a high Q (typically over 300) provides an

When operating Split, pressing the [TXW] key instantly lets you receive on your transmit frequency, to hear activity in the pile-up you are working to break through.

Pressing the [SPLIT] key for two seconds or more engages the “Quick Split” feature, which automatically separates the receive and transmit frequencies by 5 kHz (the TX frequency will be 5 kHz higher). For other Split operating situations, just press the combination LED switches near each VFO dial to set the VFOs as you want them.

During Split operation, you may command the FT-2000 to operate in a “Tracking” mode whereby the Sub VFO frequency tracks the frequency change on the Main VFO, maintaining a constant split between the two frequencies. You can even do “Band Tracking” whereby you can cause both bands to change simultaneously, using this feature.

When operating Split, pressing the [TXW] key instantly lets you receive on your transmit frequency, to hear activity in the pile-up you are working to break through.

While the WIDTH control is generally used for setting of the IF DSP bandwidth, a one-touch [NARROW] key is provided, allowing instantaneous access to a bandwidth narrower than the default value on the current operating mode. For SSB, for example, where the default bandwidth is 4200 Hz, you have "Narrow" selections available of 200/400/800/1600/3200/6400/1500/1600/3200/6400/3200/6400 Hz. For CW, "Narrow" selections of 25/50/100/200/300/400/500/800/1400/1700/2000 Hz are available. So, for example, you can set up "Narrow" bandwidths of 1.8 kHz for SSB, 500 Hz for CW, and 300 Hz for RTTY and PSK operation. What's more, for AM Broadcast operation, you may use the [NARROW] key to toggle between bandwidths of 6 kHz and 9 kHz, depending on interference.

The IF Noise Blanker is ideal for suppression of automotive ignition noise, and it may be utilized in conjunction with the Digital Noise Reduction system, or by itself. A front-panel Noise Blanker gain control allows precise control of the blanking level to be applied, and both wide and narrow pulse noises may be suppressed using this feature.

During certain conditions whereby both weak and strong signals are being encountered, a "flat" AGC response (whereby signals above a certain level are all clamped so as to produce the same audio output) may not be optimal. So the FT-2000 menu lets you select a traditional "flat" response or a "Sloped" response, whereby louder signals are allowed to rise up to a slightly higher level than are weak signals, thereby allowing you to use your brain to discriminate between signals according to signal strength, not just frequency characteristics. This provides superior signal recognition during contest pile-up operating situations.

Superb Viewing and Display Clarity, in the FT DX 9000 Tradition

In order to ensure maximum accuracy in power and other measurements, an oversized, crystal-clear analog system is used on the FT-2000. With excellent contrast and illumination provided by white LEDs, the analog meter system may be toggled for viewing of Speech Processor Compression level, ALC level, SWR, final amplifier voltage, and final amplifier current.

The oversized VFD display provides higher brightness and contrast compared to TFT displays, allowing clearer viewing from a wider range of angles than on other transceivers. The Main band frequency is shown in bright blue, while the Sub band is shown in white, for instant recognition.

Unique "Block Diagram" Display Shows Receiver System Status Instantly

The upper left area of the display contains a unique “Block Diagram” display, showing the current status of a number of functions in the receiver of the FT-2000. Included in the displays are Antenna selection, Front-end Attenuator, Preselector (VRF or µ-Tune), Preamplifier selection, Roofing Filter selection, and AGC response time. You also get Bar Graphs depicting several different DSP filter settings, for quick alignment.

Independent Analog Clarifier Display

For effortless offset tuning with a completely analog feel, the RX and TX Clarifiers included in the FT-2000 are an operator's dream come true. Whether operating a modest split in a DX pile-up, or compensating for some stations in a local ragchew being off frequency, The Clarifier system of the FT-2000 is simple to operate, and the offset display, both numerical and graphic, is easy to read, with one-touch resetting to a "zero" value, if desired.
Ultra-clean Transmitter Design

The FT-2000 incorporates a pair of reliable RD100HHF1 MOS FETs in a push-pull configuration, using a supply voltage of 13.8 Volts. They are cooled using a huge 1400 cc die-cast aluminum heat sink with a high coefficient of thermal conductivity. A thermostatically-controlled 3.6”/92mm axial cooling fan engages at 40°C, and it features five speeds, depending on the degree of cooling required. The large bearing surface of the fan, its “floating” mount, and the unique heat sink design combine to make the cooling system ultra-quiet, yet very efficient.

The FT-2000D (200-Watt version) utilized push-pull SD2931 MOS FET devices, operating at 50 Volts, with user-adjustable bias control to ensure the optimum suppression of intermodulation distortion products. The elaborate heat sink design includes a combination of aluminum and 3 mm thick high-conductivity copper plate, with a total heat sink capacity of 2720 cc, ensuring many years of reliable operation of this 200-Watt powerhouse.

Flywheel-effect Oversized High-quality Main Tuning Dial

The front panel’s oversized 2.67” (68 mm) Main Tuning Knob is crafted using a heavy brass alloy (knob weight: 6.7 oz/190 g), for easy flywheel-effect frequency excursions or precision tuning of weak digital signals, thanks to the precision magnetic rotary-encoder tuning mechanism coupled to the Main Tuning Knob.

The torque of the tuning knob shaft may be adjusted, by rotating the Main tuning Knob while holding the dial skirt, for just the amount of drag you prefer. All it will take is one spin of the dial for you to know that you are in command of a serious radio.

The Main Tuning Dial is the same structure as used on the FT-9000, utilizing the normal dial structure along with a rotating skirt that creates a small air gap. This air gap reduces sweat accumulation on the operator’s fingertips, enhancing tuning precision during long operating sessions, especially on DX-peditions to hot tropical areas.

Interference-reduction Controls are Arrayed on the Right Side of the Front Panel

Just as on the FT-9000, the most important switches for operational control are arrayed around the Main Tuning Knob, making the FT-2000 and ergonomic delight. Included are memory control, narrow filter selection, QMB (Quick Memory Bank) keys, and VFO selection and command keys surrounding the knob, with operating mode selection in the next row to the left.

Interference-reduction Controls are Arrayed on the Right Side of the Front Panel

The most important interference-reduction controls, including VFO tune adjustment, IF Shift, IF Bandwidth, Contour, DNR, IF Notch, and DNF are all arrayed close to each other on the right side of the front panel; so your hands never need to wander far when battling tough QRM.

Multi-Function Dial for Speedy Operational Commands

At the bottom right corner of the front panel is a “multi-function” knob that serves a number of important purposes. Its most-often-used tasks include VFO-B and Clarifier (reflect) tuning, and the large diameter makes precise tuning effortless. When operating in the VFO-B mode, moreover, this knob may be used for tuning in 100 kHz or 1 MHz steps (for quick “general coverage” band change), as well as operating mode selection for VFO-B. When operating in the VFO-B mode, the outer circle lights up in orange, matching the color of the VFO-B labels, thus preventing operator confusion and errors.

The most important interference-reduction controls, including VFO, In, VFO, Channel selection, IF Shift, IF Bandwidth, Contour, DNR, IF Notch, and DNF are all arrayed close to each other on the right side of the front panel; so your hands never need to wander far when battling tough QRM.

The Joy of Operating...
A CW Enthusiast's Dream Come True

CW Zero-in Feature
With the FT-2000, you can use both your ears and your eyes to zero in on another CW station. The sidetone generated when you transmit (as set by the CW Pitch selection), allowing you to match that pitch to that of an incoming signal perfectly. There's no more powerful way to be sure you're exactly on frequency.

CW Spot Feature
The CW SPOT switch engages a spotting tone that matches the offset of your transmitted signal (as set by the CW Pitch selection), allowing you to match that pitch to that of an incoming signal perfectly. The CW Spot feature is on and off.

Parametric Microphone Equalizer
The Three-Band Parametric Equalizer provides the FT-2000 user with unmatched capability to equalize a microphone and voice characteristics optimally. Within each of the three bands (low-frequency, mid-range, and high-frequency), you may adjust the center frequency of the equalization, the bandwidth over which the equalization is applied, and the amplitude (either peaking or nulling) within that range. Independent Equalizer settings are provided for when the DSP Speech Processor is on and off.

Renowned YAESSU Speech Processor for that Contest or DX Pile-up Punch
The power of IF DSP is brought to the world of Speech Processing, with the powerful new DSP Speech Processor design incorporated into the FT-2000. Crafted to increase intelligibility at the receiving side of a difficult path, the Speech Processor includes its own set of Parametric Equalizer settings, so the optimum frequency response may be obtained. The compression level for the Speech processor may be adjusted from the front panel.

Transmit Monitor Feature
The IF Transmission Monitor allows you to listen to a faithful reproduction of the transmitter's IF signal, for making precise adjustments to the Parametric Equalizer, SSB Bandwidth, and/or Speech Processor. The Transmit Monitor level may be adjusted from the front panel.

Low-level Transverter Interface Jack
The rear panel of the FT-2000 includes a low-level (-01 mW) output jack ideal for connecting to VHF and UHF transverters.

Leading-edge Features for the Serious Operator

Contest-ready Antenna Selection Capabilities
The FT-2000 is designed with today's fast-moving contest operator in mind. Two TX/RX antenna jacks are provided on the rear panel, along with one RX-only jack, with one-touch access to any antenna. The antenna selection is memorized in each VFO and memory channel register, so you don't need to switch antennas when changing frequencies -- the radio remembers which antenna you last used on that band or memory! And, if you have a special bandpass or other filter you want to engage, "In" and "Out" jacks for the RX-only path are also provided.

Built-in TXCO for State-of-the-Art Stability
A highly-stable Temperature-Compensated Crystal Oscillator (TCXO) is built into every FT-2000, providing 0.5 ppm stability at room temperature, and better than 1 ppm stability over an ambient temperature range of 14° to 122° F (-10° to +50° C), making the FT-2000 ideal for PSK31, EME or other applications requiring high stability.

"My Bands" Feature
In order to increase operating efficiency, you may use the Menu system to command the FT-2000 "skip" over any Amateur bands on which you do not operate (because you don't have an antenna for that band, etc.). For example, for contest operation, you do not need to use the 10/18/24 MHz bands, so you may eliminate them from the band stepping sequence, if you like.

CS Key
The CW (Custom Selection) key, located below and to the left of the Main tuning Dial, lets you select any Menu item for one-touch access via the CS key. This lets you bring up a favorite Menu item without having to scroll through the many available Menu selections.

And Much, Much More . . .
When you have connected your after-market monitor to the DMU-2000, the Audio Scope and Oscilloscope "page" of the display may be the most-used capability of the Data Management Unit. The Audio Scope portrays the audio spectrum of either the receiver passband or your transmitted signal, allowing you to visualize the frequency components as you hear them. Then you can make adjustments to, for example, the Notch Filter, Contour control or (on transmit) the Parametric Microphone Equalizer. At the same time, you may use the Oscilloscope to look at the X-Y characteristics of an incoming signal, with variable level and sweep speed. The Audio Scope also includes a two-speed "Waterfall" display that is very useful for precise tuning of digital signals, or for Notch Filter adjustments.

As you tune across the Amateur band and transmit at different frequencies, the DMU-2000 will plot the SWR across the band, alerting you to any unusual SWR situations, etc.

The World Clock page includes a world map with entries for a number of locations throughout the world, so you can know what the time of day is anywhere. Of great usefulness to DXers is the Sunrise/Sunset depiction, which shows the "Gray Line" area where propagation frequency is enhanced. An alarm feature is also included, to alert you of a schedule time.

The Rotator Control page lets you control the left/right rotation of your Yaesu G-800/1000/2800DXA series rotator, in addition to permitting speed control and setup of preset beam headings. And, if you use your after-market keyboard for input of your latitude and longitude, the DMU-2000 will lay out and display a Great Circle Map centered on your location! You may also connect a GPS Unit (one capable of output of NMEA0183 position data) to your DMU-2000 in order to download precise position data. The Great Circle Map allows you to aim your antenna accurately, and the imbedded database of worldwide cities may be used to determine a specific bearing to a DX location, if you like.

By connecting an after-market keyboard and monitor to the DMU-2000, you can utilize the on-board Logging capability of the FT-2000. The Log Book includes an extensive database of DX information, and you may archive log data to the supplied CF card using one of the popular logging formats like ADIF, Cabrillo, etc.
SP-2000 External Speaker with Audio Filters

The SP-2000 features a large (4.7”/120 mm) speaker aperture, along with a three-selection High-Cut and two-selection Low-Cut Audio Filter system. Selection of the cutoff frequencies may be performed from the front panel of the speaker: 2.4 kHz/1 kHz/700 Hz for High-Cut, and 500/300 Hz for Low Cut. A headphone jack is provided on the front panel, allowing you to connect headphones and enjoy the benefits of the audio filtering within the SP-2000.

Options

Sub Receiver Cuttins®

Mechanical CW Filters

(One may be installed)

160m Band RF µ-Tune Kits

80/40m Band RF µ-Tune Kits B

30/20m Band RF µ-Tune Kits C

• Up to three µ-Tune Kits may be connected. • µ-Tune Kit is included in purchase price of µ-Tune Unit.

YO-77STA

Stereo Headphones

MD-100DAX

Desktop Microphone

MD-200DAX

Desktop Deluxe Dynamic Microphone

FA-2

Remote Control Keypad

HL-50 Eked: 1 KW Linear Amplifier (50 MHz: 500 W/USA Version)

VL-1000

Automatic Antenna Tuner Built In

VP-1000

Power Supply

• Includes Scope Unit

CF Card Unit

DMU-2000

Data Management Unit

After-market PS/2 Keyboard and personal computer monitor are required for use of DMU-2000 and are not supplied.

• Includes Scope Unit

CF Card Unit

DMU-2000

Data Management Unit

After-market PS/2 Keyboard and personal computer monitor are required for use of DMU-2000 and are not supplied.

SP-2000 External Speaker with Audio filters

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Options

Sub Receiver Cuttins®

Mechanical CW Filters

(One may be installed)

160m Band RF µ-Tune Kits

80/40m Band RF µ-Tune Kits B

30/20m Band RF µ-Tune Kits C

• Up to three µ-Tune Kits may be connected. • µ-Tune Kit is included in purchase price of µ-Tune Unit.

YO-77STA

Stereo Headphones

MD-100DAX

Desktop Microphone

MD-200DAX

Desktop Deluxe Dynamic Microphone

FA-2

Remote Control Keypad

HL-50 Eked: 1 KW Linear Amplifier (50 MHz: 500 W/USA Version)

VL-1000

Automatic Antenna Tuner Built In

VP-1000

Power Supply

• Includes Scope Unit

CF Card Unit

DMU-2000

Data Management Unit

After-market PS/2 Keyboard and personal computer monitor are required for use of DMU-2000 and are not supplied.

• Includes Scope Unit

CF Card Unit

DMU-2000

Data Management Unit

After-market PS/2 Keyboard and personal computer monitor are required for use of DMU-2000 and are not supplied.

Supplied Accessories: MH-31B8 Hand Mic, AC Cable, RCA Plugs (2), 3.5 mm Mono Plug (1): 3.5 mm Stereo Plug (1), 1/4” (6 mm) Stereo Plug (1), 4-pin DIN Plug (1), 5-pin DIN Plug (1).
### Specifications

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<tbody>
<tr>
<td><strong>Transmitter Specifications</strong></td>
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<tr>
<td><strong>General Specifications</strong></td>
<td></td>
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<tr>
<td>Rx Frequency Range</td>
<td>30 kHz - 60 MHz (operating)</td>
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<tr>
<td>Tx Frequency Ranges</td>
<td>160 - 6 m (Amateur bands only)</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±0.5 ppm (@77°F/25°C)</td>
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<tr>
<td>Operating Temperature Range</td>
<td>14°F - +122°F (-10°C - +50°C)</td>
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<tr>
<td>Emission Modes</td>
<td>A1A (CW), A3E (AM), J3E (LSB, USB), F3E (FM), F1B (RTTY), F1D (PACKET), F2D (PACKET)</td>
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<tr>
<td>Frequency Steps</td>
<td>1/10 Hz (SSB, CW, &amp; AM), 100 Hz (FM)</td>
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<td>Antenna Impedance</td>
<td>50 Ohms, unbalanced</td>
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<td>Power Consumption (Rx)</td>
<td>70 VA</td>
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<td>Power Consumption (Tx)</td>
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<tr>
<td>Power Requirements</td>
<td>AC: 90 VAC-132 VAC or 180 VAC-264 VAC</td>
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<td>Power Consumption (DC)</td>
<td>13.8 V</td>
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<td>Dimensions (WxHxD)</td>
<td>16.1&quot; x 5.3&quot; x 13.8&quot; (410 x 135 x 350 mm)</td>
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<tr>
<td>Weight (approx.)</td>
<td>8.8 lbs (4 kg)</td>
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<td><strong>Receiver Specifications</strong></td>
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<tr>
<td><strong>General Specifications</strong></td>
<td></td>
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<tr>
<td>Sensitivity (RF AMP 2*&quot;ON&quot;)</td>
<td>SSB (2.4 kHz, 10 dB S+N+N)</td>
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<tr>
<td></td>
<td>AM (6 kHz, 10 dB S+N+N, 30 % modulation @400 Hz)</td>
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<tr>
<td></td>
<td>CW (140 kHz, 10 dB S+N+N, 100 kHz)</td>
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<td>6 dB (300 kHz @ 6 kHz)</td>
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<td>60 dB (1.8 kHz)</td>
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<td>60 dB (60 kHz)</td>
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<td>FM (15 kHz)</td>
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<td>12 dB SINAD</td>
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<td>Image Rejection</td>
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<td>Maximum Audio Output</td>
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<td>Audio Output Impedance</td>
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<td>Conducted Radiation</td>
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<td><strong>FP-2000 (External Power Supply for FT-2000D) Specifications</strong></td>
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<tr>
<td>Power Requirements</td>
<td>AC90 V ~ 264 V 50/60 Hz</td>
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<tr>
<td>Current Consumption (@117V AC)</td>
<td>70 VA maximum (with FT-2000D switched on)</td>
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<td>Output Voltage</td>
<td>DC50 V / 10 A, DC13.8 V / 5 A</td>
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<td>Weight (approx.)</td>
<td>8.8 lbs (4 kg)</td>
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<td>Dimensions (WxHxD)</td>
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<tr>
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<td><strong>DMU-2000 Data Management Unit Specifications</strong></td>
</tr>
<tr>
<td>Power Requirements</td>
<td>AC90 V ~ 264 V 50/60 Hz</td>
</tr>
<tr>
<td>Current Consumption (@117V AC)</td>
<td>Typ. 120 VA maximum</td>
</tr>
<tr>
<td>Weight (approx.)</td>
<td>8.8 lbs (4 kg)</td>
</tr>
<tr>
<td>Dimensions (WxHxD)</td>
<td>3.9&quot; x 5.3&quot; x 13.8&quot; (100 x 135 x 350 mm)</td>
</tr>
</tbody>
</table>

Specifications are subject to change, in the interest of technical improvement, without notice or obligation, and are guaranteed only within the amateur bands.

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**About this brochure:** We have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.