

FT-411E/811/911

COMPACT CPU-CONTROLLED
FM HANDY TRANSCEIVERS

YAESU
Performance without compromise.SM



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COMPACT CPU-CONTROLLED FM HANDY TRANSCEIVERS



Improving on the most popular features of their predecessors, the FT-411E, FT-811 and FT-911 are ultra compact FM handhelds for the 2m, 70cm and 23cm amateur bands, respectively, offering superb operating convenience and an incredible array of features without the size and weight of previously available sets. A variety of rechargeable battery packs, charger/adapters and dry cell cases are available, providing up to five watts of RF power output (one watt at 23cm).

Compact & Compatible

To ensure compatibility with existing accessories, the newly designed zinc and aluminum die-cast casings accept the same battery packs as the FT-23R/73R, while new extended capacity battery packs and chargers make full use of the new power offered by these models. Rubber gasket seals around all external controls and connectors keep out dust and rain or spray, assuring years of reliable operation even in harsh environments.

49 Channel Memories, Plus 10 DTMF Memories

Expanding on the microprocessor-controlled features of previous models, sixteen multi-function keys provide the ultimate in programmability of 49 freely tunable memories and two VFOs. All memories store repeater shifts or separate TX/RX frequencies, CTCSS (Continuous Tone Controlled Squelch System) tone frequencies and tone encode/decode selections*, with one instant-recall call channel memory and two special purpose memories for limited subband tuning/scanning. Busy channel band or selective memory scanning is provided along with priority channel monitoring; 1MHz up/down stepping; ARS (Automatic Repeater Shift) when tuned to repeater subbands, plus a top panel rotary dial for memory and frequency selection. The keypad serves as a DTMF encoder during transmission, and up to 10 DTMF memories can store 15 digits each for quick playback of commonly used numbers.

Full Display Info, Adjustable Power Saver & Auto-Shutoff

The LCD (Liquid Crystal Display) shows six frequency digits, memory channel selection, CTCSS tone frequency during tone selection*, page/received status when paged by a CTCSS tone*, and includes a bargraph S/PO meter. Yaesu's power saver system can be set by the operator for optimum sampling/standby ratio, or can be turned off for packet operation. And our new APO (Automatic Power Off)

*CTCSS/Pager operation requires optional FTS-17 Tone Squelch Unit

system shuts off the transceiver to avoid dead batteries if you doze off or are called away unexpectedly.

Display/Keypad Lighting, Musical Keys and VOX

Operation under difficult conditions is simplified by a lamp button illuminating the display and backlit translucent keypad, diatonically assigned function-dependent keypad beeps and a built-in VOX (voice-actuated transmit switching) system, allowing hands-free operation with the optional YH-2 headset.

ACCESSORIES & OPTIONS

- FNB-9 7.2V, 200mAh Ni-Cd Battery Pack
- FNB-10 7.2V, 600mAh Ni-Cd Battery Pack
- FNB-11 12V, 600mAh Ni-Cd Battery Pack
- FNB-12 12V, 500mAh Ni-Cd Battery Pack
- FNB-14 7.2V, 1000mAh Ni-Cd Battery Pack
- FNB-17 7.2V, 600mAh Compact Ni-Cd Battery Pack
- FBA-9 Dry Cell Battery Case for 6 AAA-size Cells
- FBA-10 Dry Cell Battery Case for 6 AA-size Cells
- NC-18B 117 VAC Compact Wall Charger for FNB-11/-12
- NC-18C 220-234 VAC Compact Wall Charger for FNB-11/-12
- NC-27B 117 VAC Compact Wall Charger for FNB-9
- NC-27C 220-234 VAC Compact Wall Charger for FNB-9
- NC-28B 117 VAC Compact Wall Charger for FNB-10/-17
- NC-28C 117 VAC Compact Wall Charger for FNB-10/-17
- NC-29 Desktop Quick Charger for FNB -9 through -17
- NC-34B 117 VAC Compact Wall Charger for FNB-14
- NC-34C 220-234 VAC Compact Wall Charger for FNB-14
- PA-6 Mobile DC Adapter/Charger for FNB-9/-10/-14/-17
- PA-7 Remote Battery for all Packs/Cases
- CSC-35 Soft Case for Transceiver with FNB-/FBA-9/FNB-17
- CSC-36 Soft Case for Transceiver with FNB-/FBA-10
- CSC-37 Soft Case for Transceiver with FNB-12/-14
- CSC-38 Soft Case for Transceiver with FNB-11
- MMB-32A .. Mobile Hanger Bracket
- MH-12A2B. External Hand Speaker/microphone
- YHA-16/-46/-120 Rubber Flex Antenna
- FTS-17 CTCSS Subaudible Tone Squelch Unit
- MH-18A2B. Compact Speaker/Microphone
- MH-19A2B. Earpiece/Microphone
- YH-2 Headset

Availability of accessories may vary: some accessories are supplied as standard per local regulations and requirements, others may be unavailable in some regions. Check with your Yaesu dealer for additions to the above list.



NC-29



PA-6



FT-411E w/PA-7



MMB-32A



MH-12A2B



MH-18A2B



MH-19A2B



YH-2



FTS-17

SPECIFICATIONS

(version in parenthesis)

FT-411E

FT-811

FT-911

GENERAL

Frequency Coverage (MHz):
Channel Steps:
Standard Repeater Shift
(resettable):
Emission Type:
Supply Voltage:
Current Consumption
Stand-by (with 1 sec. save):
Receive:
Transmit (5W):
Auto Power Off:
Antenna (BNC Jack):
Case Size (WHD)
w/FNB-/FBA-9:
w/FNB-/FBA-10:
w/FNB-11:
w/FNB-12/-14:
w/FNB-/FBA-17:
Weight (approx):

144-146 (B&C) or 144-148 (A)
5, 10, 12.5, 20 & 25 kHz
600 kHz
G3E
5.5 to 15.0 VDC
7 mA
150 mA
1300 mA
6 mA
YHA-16 rubber flex antenna
55 X 122 X 32 mm
55 X 139 X 32 mm
55 X 186 X 32 mm
55 X 155 X 32 mm
55 X 126 X 32 mm
380 g w/FNB-10,
510 g w/FNB-11

430-440 (B&C) or 430-450 (A)
5, 10, 12.5, 20 & 25 kHz
5 (A), 7.6 (B) 1.6 (C) MHz
G3E
5.5 to 15.0 VDC
8 mA
150 mA
1600 mA
7 mA
YHA-46 rubber flex antenna
55 X 122 X 32 mm
55 X 139 X 32 mm
55 X 188 X 32 mm
55 X 155 X 32 mm
55 X 126 X 32 mm
380 g w/FNB-10,
510 g w/FNB-11

1240 to 1300 MHz
10, 12.5, 20 & 25 kHz
—
G3E
5.5 to 15.0 VDC
11 mA
150 mA
900 mA (1W)
8 mA
YHA-120 rubber flex antenna
55 X 122 X 32 mm
55 X 139 X 32 mm
55 X 188 X 32 mm
55 X 155 X 32 mm
55 X 126 X 32 mm
430 g w/FNB-10,
550 g w/FNB-11

RECEIVER

Circuit Type:
Sensitivity (12 dB SINAD):
Adjacent Channel Selectivity:
Intermodulation:
Audio Output (@12V):

Double-conversion
superheterodyne
better than 0.158 μ V (−10 dB μ)
better than 60 dB
better than 65 dB
0.5W @ 8 ohms for 5% THD

Double-conversion
superheterodyne
better than 0.158 μ V (−10 dB μ)
better than 60 dB
better than 65 dB
0.5W @ 8 ohms for 5% THD

Double-conversion
superheterodyne
better than 0.2 μ V (−8 dB μ)
—
—
0.5W @ 8 ohms for 5% THD

TRANSMITTER

Power Output:
Frequency Stability:
Modulation System:
Maximum Deviation:
FM Noise:
Spurious Emissions:
Audio Distortion
@1 kHz, w/3 kHz deviation:
Microphone Type:
Burst Tone:

(see RF Power Chart)
better than ± 10 ppm
variable reactance
 ± 5 kHz
better than −40 dB @ 1 kHz
better than 60 dB below carrier
less than 5%
2-kilohm condenser
1750 Hz (except version A)

(see RF Power Chart)
better than ± 10 ppm
variable reactance
 ± 5 kHz
better than −40 dB @ 1 kHz
better than 60 dB below carrier
less than 5%
2-kilohm condenser
1750 Hz (except version A)

(see RF Power Chart)
better than ± 2 ppm
variable reactance
 ± 5 kHz
better than −35 dB @ 1 kHz
better than 40 dB below carrier
less than 5%
2-kilohm condenser
1750 Hz (except version A)

Specifications subject to change without notice.

RF Power Chart

	Battery Type	FT-411E Output (watts)	FT-811 Output (watts)	FT-911 Output (watts)
Dry cell Cases	FBA-9 (6 X 'AAA' cells)	2.0	1.0	1.0
	FBA-10 (6 X 'AA' cells)	2.5	1.5	1.0
Ni-Cd Packs	FNB-9 (7.2V, 200 mAh)	2.5	1.5	1.0
	FNB-10/17 (7.2V, 600 mAh)	2.5	2.0	1.0
	FNB-11 (12 V, 600 mAh)	5.0	5.0	1.0
	FNB-12 (12 V, 500 mAh)	5.0	5.0	1.0
	FNB-14 (7.2V, 1000 mAh)	2.5	2.0	1.0

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