

SPECIFICATIONS

HANDHELD TRANSCEIVERS

| | IC-A25N IC-A25C | IC-A25NE IC-A25CE | IC-A24 IC-A6 | IC-A24E IC-A6E | IC-A14 IC-A14S | IC-A15 IC-A15S | |
|--|---|---|--|--|--|--|--|
| NAV/COM channels | VOR NAV & COM (IC-A25N) COM (IC-A25C) | VOR NAV & COM (IC-A25NE) COM (IC-A25CE) | VOR NAV & COM (IC-A24) COM (IC-A6) | VOR NAV & COM (IC-A24E) COM (IC-A6E) | COM | COM | |
| Built-in GPS | ✓(IC-A25N) | ✓(IC-A25NE) | - | - | - | - | |
| Bluetooth® | ✓(IC-A25N) | ✓(IC-A25NE) | - | - | - | - | |
| IP rating | IP57 | IP57 | IPX4 | IPX4 | IPX4 | IPX4 | |
| Flip-flop channel recall | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MIL-STD 810 | ✓(G) | ✓(G) | ✓(F) | ✓(F) | ✓(F) | ✓(F) | |
| Android™/iOS™ app for flight planning | ✓(IC-A25N) | ✓(IC-A25NE) | - | - | - | - | |
| Frequency range (unit: MHz) | TX: 118.000-136.992 RX: IC-A25N: 108.000-136.992, 161.650-163.275 IC-A25C: 118.000-136.992, 161.650-163.275 | TX: 118.000-136.992 RX: IC-A25NE: 108.000-136.992, 161.650-163.275 IC-A25CE: 118.000-136.992, 161.650-163.275 | TX: 118.000-136.992 RX: IC-A24: 108.000-136.992, 161.650-163.275 IC-A6: 118.000-136.992, 161.650-163.275 | TX: 118.000-136.992 RX: IC-A24E: 108.000-136.992, 161.650-163.275 IC-A6E: 118.000-136.992, 161.650-163.275 | TX: 118.000-136.992 RX: IC-A14: 108.000-136.992, 161.650-163.275 IC-A14S: 118.000-136.992, 161.650-163.275 | TX: 118.000-136.992 RX: 118.000-136.992 | TX: 118.000-136.992 RX: 118.000-136.992 |
| Number of memory channels | 300 channels (15 groups) | 300 channels (15 groups) | 200 channels (20 channels x 10 banks) | 200 channels (20 channels x 10 banks) | 200 channels (20 channels x 10 banks, IC-A14/A15) 100 channels (IC-A14/A15) | 200 channels (20 channels x 10 banks, IC-A14/A15) 100 channels (IC-A14/A15) | |
| Channel spacing*1 | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz | 25 kHz | |
| Power supply requirements | 7.2 V DC (BP-288) 11.0 V DC (External DC jack) | 7.2 V DC (BP-288) 11.0 V DC (External DC jack) | 7.2 V DC (BP-210N), 11.0 V DC (External DC jack) | 7.2 V DC (BP-210N), 11.0 V DC (External DC jack) | 7.4 V DC (BP-232H) | 7.4 V DC (BP-232H) | |
| Current drain | TX High: 1.8 A RX Stand-by: 90 mA typical (GPS, Bluetooth, Light:OFF) RX Max. audio: 500 mA | TX High: 1.8 A RX Stand-by: 90 mA typical (GPS, Bluetooth, Light:OFF) RX Max. audio: 500 mA | TX High: 1.8 A RX Stand-by: 70 mA typical RX Max. audio: 500 mA | TX High: 1.8 A RX Stand-by: 70 mA typical RX Max. audio: 500 mA | TX High: 1.5 A RX Stand-by: 50 mA typical RX Max. audio: 500 mA | TX High: 1.5 A RX Stand-by: 50 mA typical RX Max. audio: 500 mA | |
| Dimensions*2 (WxHxD) | 58.9 x 148.4 x 31.8 mm; 2.3 x 5.8 x 1.3 in | 58.9 x 148.4 x 31.8 mm; 2.3 x 5.8 x 1.3 in | 54 x 129.3 x 35.5 mm; 2.1 x 5.1 x 1.4 in | 54 x 129.3 x 35.5 mm; 2.1 x 5.1 x 1.4 in | 53 x 120 x 36.9 mm; 2.1 x 4.7 x 1.5 in | 53 x 120 x 36.9 mm; 2.1 x 4.7 x 1.5 in | |
| Weight (approx.) | 384 g; 13.6 oz (with BP-288 and ANT) | 384 g; 13.6 oz (with BP-288 and ANT) | 430 g; 15.2 oz (with BP-210N and ANT) | 430 g; 15.2 oz (with BP-210N and ANT) | 350 g; 12.3 oz (with BP-232H and ANT) | 350 g; 12.3 oz (with BP-232H and ANT) | |
| Operating temperature range | -10°C to +60°C | -20°C to +55°C | -10°C to +60°C | -20°C to +55°C | -10°C to +60°C | -20°C to +55°C | |
| Frequency stability | ±0.4 kHz | ±1 ppm | ±1 ppm | ±1 ppm | ±5 ppm | ±5 ppm | |
| Output power (PEP/carrier power) | 6 W typical/1.8 W | 6 W typical/1.8 W | 5 W/1.5 W | 5 W/1.5 W | 5 W typical/1.5 W typical | 5 W typical/1.5 W typical | |
| Microphone impedance | 150 Ω | 150 Ω | 100 Ω | 100 Ω | 150 Ω | 150 Ω | |
| Sensitivity | COM: 1 µV (6 dB S/N) | COM: 1 µV (12 dB SINAD) | COM: 1 µV (6 dB S/N) | COM: 1 µV (12 dB SINAD) | 0.5 µV typical (6 dB S/N) | 0.71 µV typical (12 dB SINAD) | |
| Selectivity | 8.33 kHz: 2.778/7.37 kHz (6 dB/60 dB) 25 kHz: 7.5/25 kHz (6 dB/60 dB) | 60 dB (6 dB SINAD) | 2.778/7.37 kHz (6 dB/60 dB) 7.5/25 kHz (6 dB/60 dB) | 2.778/7.37 kHz (6 dB/60 dB) 7.5/25 kHz (6 dB/60 dB) | - | - | |
| Spurious response (COM) | 60 dB | 70 dB | 60 dB | 70 dB | 60 dB | 70 dB | |
| Audio output power (at 10% distortion) | 350 mW into an 8 Ω load | 350 mW into an 8 Ω load | 470 mW typical into an 8 Ω load | 470 mW typical into an 8 Ω load | 700 mW into an 8 Ω load (Internal SP) 500 mW into an 8 Ω load (External SP) | 700 mW into an 8 Ω load (Internal SP) 500 mW into an 8 Ω load (External SP) | |

PANEL MOUNT TRANSCEIVERS and MOBILE TRANSCEIVERS

| | IC-A220 (TSO version) | IC-A220 | IC-A210E | IC-A120 | IC-A120E |
|--|--|--|--|---|---|
| TSO certification | ✓ | - | - | - | - |
| NAV/COM channels | COM | COM | COM | COM | COM |
| Intercom | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic SQL | ✓ | ✓ | ✓ | ✓ | ✓ |
| Active Noise Canceling | - | - | - | ✓ | ✓ |
| Bluetooth® | - | - | - | ✓(Use with UT-133A) | ✓(Use with UT-133A) |
| IP rating | IP54 | IP54 | IP54 | IP54 | IP54 |
| MIL-STD 810 | ✓(G) | ✓(G) | ✓(F) | ✓(G) | ✓(G) |
| Frequency range (unit: MHz) | TX: 118.000-136.992 RX: 161.650-163.275 | TX: 118.000-136.992 RX: 161.650-163.275 | TX: 118.000-136.992 RX: 161.650-163.275 | TX: 118.000-136.992 RX: 161.650-163.275 | TX: 118.000-136.992 RX: 161.650-163.275 |
| Number of memory channels | 20 channels (Regular) | 20 channels (Regular) | 10 channels (Regular) | 200 channels | 200 channels |
| Channel spacing*1 | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz | 25 kHz/8.33 kHz |
| Power supply requirements | 13.8 V or 27.5 V DC (automatic selection) | 13.8 V or 27.5 V DC (automatic selection) | 13.8 V or 27.5 V DC (automatic selection) | 13.75 V or 27.5 V DC (automatic selection) | 13.75 V or 27.5 V DC (automatic selection) |
| Current drain | TX High: 5.0 A maximum RX Stand-by: 500 mA RX Max. audio: 4.0 A | TX High: 5.0 A maximum RX Stand-by: 500 mA RX Max. audio: 4.0 A | TX High: 5.0 A maximum RX Stand-by: 500 mA RX Max. audio: 4.0 A | TX High: 5.0 A maximum RX Stand-by: 500 mA RX Max. audio: 4.0 A | TX High: 5.0 A maximum RX Stand-by: 500 mA RX Max. audio: 4.0 A |
| Dimensions*2 (WxHxD) | 160 x 34 x 271 mm; 6.3 x 1.3 x 10.7 in | 160 x 34 x 271 mm; 6.3 x 1.3 x 10.7 in | 160 x 34 x 271 mm; 6.3 x 1.3 x 10.7 in | 161 x 45 x 175 mm; 6.3 x 1.8 x 6.9 in | 161 x 45 x 175 mm; 6.3 x 1.8 x 6.9 in |
| Weight (approx.) | 1.2 kg; 2.6 lb | 1.0 kg; 2.2 lb | 1.0 kg; 2.2 lb | 1.5 kg; 3.3 lb (main unit) | 1.5 kg; 3.3 lb (main unit) |
| Operating temperature range | -20°C to +55°C | -20°C to +55°C | -20°C to +55°C | -30°C to +60°C | -20°C to +55°C |
| Frequency stability | ±5 ppm | ±5 ppm | ±1 ppm (0°C to +40°C) | ±5 ppm (-30°C to +60°C) | ±1 ppm (0°C to +40°C) |
| Carrier power | 8.0 W | 8.0 W | 6.0 W (4.5-8 W) | 9 W typical | 9 W (+1.5 dB/-3 dB) |
| Microphone impedance | 600 Ω | 600 Ω | 600 Ω | 600 Ω | 600 Ω |
| Sensitivity (COM) | 2 µV (6 dB S/N) | 2 µV (6 dB S/N) | 2 µV (12 dB SINAD) | 1 µV (6 dB S/N) | 1.8 µV (12 dB SINAD) |
| Selectivity | 8.33 kHz (6 dB/60 dB): ±2.778/±7.37 kHz 25 kHz (6 dB/60 dB): ±3/±22 kHz | ±2.778/±7.37 kHz ±3/±22 kHz | ±2.778/±7.37 kHz ±3/±22 kHz | ±2.778/±7.37 kHz ±3/±22 kHz | ±2.778/±7.37 kHz ±3/±22 kHz |
| Spurious response (COM) | 74 dBµ | 74 dBµ | 70 dB | 74 dBµ | 70 dB |
| Audio output power (at 10% distortion) | 5 W into a 4 Ω load (External SP) 60 mW into a 500 Ω load (Headphone) | 5 W into a 4 Ω load (External SP) 60 mW into a 500 Ω load (Headphone) | 5 W into a 4 Ω load (External SP) 60 mW into a 500 Ω load (Headphone) | 10 W typical into an 8 Ω load (External SP) 100 mW typical into a 500 Ω load (Headphone) | 10 W typical into an 8 Ω load (External SP) 100 mW typical into a 500 Ω load (Headphone) |

All stated specifications are subject to change without notice or obligation. *1 Use of 8.33 kHz channel spacing may be prohibited in some countries. *2 Projections are not included.

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Aviation Radios

2017-2018 Edition



6 W (PEP) Powerful Air Band Radio with Built-in GPS and Bluetooth®

VHF AIR BAND TRANSCEIVERS

IC-A25N

NAV & COM channels for USA/EXP

IC-A25C

COM channels for USA/EXP

IC-A25NE

NAV & COM channels for EUR/AUS

IC-A25CE

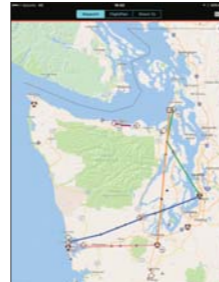
COM channels for EUR/AUS

General Features

- Class-leading 6 W typical (PEP) and 1.8 W typical (carrier) high power RF output
- Easy-to-use interface
- 2.3 inch large high-visibility LCD with night mode
- “Flip-Flop” channel recall
- Built-in Bluetooth® for hands-free operation (IC-A25N/NE)
- Intelligent battery with detailed battery status
- 25 kHz/8.33 kHz dual channel spacing

Navigation Functions (IC-A25N/NE)

- Built-in GPS with simplified waypoint NAV (Direct-To NAV and Flight Plan NAV)
- Flight plans with Android™ /iOS™ app RS-AERO1A/RS-AERO1I
- VOR navigation functions
- Near station search function



RS-AERO1I map screen example



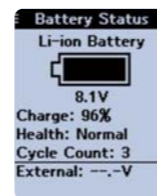
Waypoint NAV screen



VOR screen



Night mode screen



Detailed battery information screen

And more

- IP57 dust-protection and waterproof construction • 2350 mAh typ. battery pack, BP-288 supplied • BP-289 battery case supplied (depending on version)
- BNC antenna • 121.5 MHz emergency key • NOAA weather channels (IC-A25N/C)
- Priority watch • VFO scan, memory channel scan and priority scan • ANL (Auto Noise Limiter) for pulse-type noise reduction • Side tone function enables you to hear your own voice through a third party aviation headset • Built-in VOX capability • 300 memory channels (in 15 memory groups) with 12 character names • 8.33 kHz/25 kHz channel spacing (depending on version) • External DC power jack • Optional waterproof speaker microphone, HM-231



Simple VHF VOR/COM Transceiver

VHF AIR BAND TRANSCEIVERS

IC-A24

NAV & COM channels for USA/EXP

IC-A6

COM channels for USA/EXP

IC-A24E

NAV & COM channels for EUR

IC-A6E

COM channels for EUR

- Simple one-hand operation
- “Flip-Flop” channel recall
- Dedicated 121.5 MHz emergency key
- 25 kHz/8.33 kHz dual channel spacing (depending on version)
- External DC power jack
- VOR navigation functions (IC-A24/E)



VOR screen

And more

- 5 W (PEP), 1.5 W (carrier) output power • IPX4 water resistant
- 200 memory channels (20 Ch x 10 banks) with 6 character names
- Side tone function allows you to hear your own voice via a third party aviation headset • NOAA weather channels (IC-A24/A6 only) • Tag scanning and memory bank scanning • ANL (Auto Noise Limiter) for pulse-type noise reduction



700 mW Loud Audio with a Compact Body

VHF AIR BAND TRANSCEIVERS

IC-A14

Full keypad for USA/EXP

IC-A14S

Simple keypad for USA/EXP

IC-A15

Full keypad for EUR/AUS

IC-A15S

Simple keypad for EUR

- 700 mW loud audio* *Internal speaker
- Full keypad type or simple keypad type
- Compact, lightweight and IPX4 rugged body
- 2300 mAh large capacity Lithium-Ion battery pack
- 200 channels with memory banks

And more

- 5 W typ. (PEP), 1.5 W typ. (carrier) output power • Side tone function enables you to hear your own voice via a third party aviation headset • LCD backlight for night time operation • ANL (Auto Noise Limiter) for pulse-type noise reduction • Low battery indication and beep alert • Adjustable microphone gain setting • Optional BC-179 holder type battery charger



High-Quality Panel Mount Radio with TSO Certification



IC-A220 TSO version

VHF AIR BAND TRANSCEIVER

IC-A220 TSO version



And more

- 8.33 kHz/25 kHz channel spacing (depending on version)
- Remote control capability via the rear panel connector
- 9 V power supply operation • 20 memory channels and 20 history memory channels • Dualwatch and priority watch functions • One touch access to 121.5 MHz emergency frequency • Side tone function for monitoring your voice with a headset • ANL (Automatic Noise Limiter) function reduces pulse type noise • Time-out-timer • D-SUB 25-pin connector and MIL-Spec M39029/63-368 compliant socket pins • Two types of menu mode; settings menu and configuration menu • Both 13.8 V and 27.5 V electrical systems compatible • NOAA weather channel receive (USA version only) • 8 W carrier power

* For more details, see the Environmental Qualification Form at www.icomamerica.com. The IC-A220 TSO version is manufactured and serviced by Icom America Inc. All repairs or adjustment information will be provided from Icom America. (<http://www.icomamerica.com>)

- TSO certified to be used as a primary VHF radio in general aviation (Part 23) aircraft (Certified TSO C128a and C169a)
- The IC-A220 TSO version is also accepted as an ETSO radio under the TSO/ETSO reciprocal acceptance policy
- High visibility OLED (Organic Light Emitting Diode) screen
- Easy channel selection with large “Flip-Flop” arrow button
- Auto squelch function and quick squelch adjustment
- Quick squelch adjustment with the Volume knob
- Auto dimmer function and external dimmer control
- Intercom function

Stay Connected with Various Airport Systems



IC-A210E

VHF AIR BAND TRANSCEIVER

IC-A210E

For EUR

And more

- High visibility OLED (Organic Light Emitting Diode) screen
- GPS memory function* for transmitting frequency data of nearby airports * External GPS receiver required.
- Easy channel selection with large “Flip-Flop” arrow button
- Auto dimmer function
- Intercom function
- Easy installation with two types of rear-panel adapters

- 8.33 kHz/25 kHz channel spacing (depending on version)
- Remote control capability via the rear panel connector
- 10 regular memory channels with a 6-character channel name
- 200 group memory channels (20 Chx10 banks) with a channel tag • One touch access to 121.5 MHz emergency frequency
- Side tone function for monitoring your voice with headset
- ANL (Automatic Noise Limiter) function reduces pulse type noise • Time-out-timer • PC programming capability • Squelch test function • Dualwatch and priority watch functions • Both 13.8 V and 27.5 V electrical systems compatible • 6 W typ. carrier power • Dial lock and panel lock

Ideal Communication Tool for Your Experimental/Light Sport Aircraft or Ground Use



IC-A220

VHF AIR BAND TRANSCEIVER

IC-A220

For USA

And more

- 8.33 kHz/25 kHz channel spacing (depending on version)
- Remote control capability through a rear panel connector
- 20 memory channels and 20 history memory channels
- Dualwatch and priority watch functions • One touch access to 121.5 MHz emergency frequency • Side tone function for monitoring your voice with a headset • ANL (Automatic Noise Limiter) function reduces pulse type noise • PC programming capability • Dial lock and panel lock • Time-out-timer • D-SUB 25-pin connector and MIL-spec M39029/63-368 compliant socket pins • Two types of menu mode; settings menu and configuration menu • Both 13.8 V and 27.5 V electrical systems compatible • NOAA weather channel receive (USA version only) • 8 W carrier power

- High visibility OLED (Organic Light Emitting Diode) screen
- GPS memory function* for transmitting frequency data of nearby airports * External GPS receiver required.
- Easy channel selection with large “Flip-Flop” arrow button
- Auto squelch function and quick squelch adjustment
- Auto dimmer function and external dimmer control
- Intercom function
- Optional PS-80 power supply for desktop use

Enhanced Ground Crew Communications



IC-A120

VHF AIR BAND TRANSCEIVERS

IC-A120

For USA/EXP

IC-A120E

For EUR

IP54

And more

- Full dot-matrix display, simple operation
- Optional Bluetooth® headset connectivity
- Active Noise Cancelling (ANC) for background noise reduction
- IP54 dust-protection and water resistance
- ON-hook scan function
- Optional speaker-microphone, HM-217 with two programmable buttons

- Dualwatch and priority scan functions • Side tone function enables you to hear your own voice via a third party aviation headset • A total of 200 memory channels with 12-character channel names • Both 13.8 V and 27.5 V electrical system compatible • 8.33 kHz and 25 kHz channel spacing (depending on version) • 36 W (PEP) RF output power • Power on password protection • PC programming capability • CI-V Commands for external control • VE-PG3 RoIP gateway for interconnect with other radio devices • Compliant with European E-marking for installation in vehicles (IC-A120E)

OPTIONS FOR HANDHELD TRANSCEIVERS

| MODEL NAME | BATTERY PACKS | | | | BATTERY CASES | | | CHARGERS | |
|--------------------------------|--|--|---|---|------------------------------|-------------------------------|------------------------------|-------------------------|--------------------------|
| | BP-288 Li-Ion: 7.2 V/2200 mAh (min.) 2350 mAh (typ.) | BP-210N Ni-MH: 7.2 V/1480 mAh (min.) 1650 mAh (typ.) | BP-230N Li-Ion: 7.4 V/950 mAh (min.) 980 mAh (typ.) | BP-232H Li-Ion: 7.4 V/2250 mAh (min.) 2300 mAh (typ.) | BP-289 LR6 (AA) x 6 cells | BP-208N LR6 (AA) x 6 cells | BP-261 LR6 (AA) x 6 cells | BC-224 Rapid charger | BC-119N Rapid charger |
| IC-A25N/A25NE IC-A25C/A25CE | ✓ | | | | ✓ | | | ✓ | |
| IC-A24/A24E IC-A6/A6E | | ✓ | | | | ✓ | | | ✓ (Use with AD-101) |
| IC-A14/A14S IC-A15/A15S | | | ✓ | ✓ | | | ✓ | | ✓ (Use with AD-106) |

| MODEL NAME | CHARGERS | | | | MULTI-CHARGERS | | AC ADAPTERS | | |
|--------------------------------|----------------------------|-------------------------|-----------------------------|-----------------------------|--------------------------------|-------------------------------|-------------------------------------|--------------------------|-----------------------------------|
| | BC-144N*1 Rapid charger | BC-160 Rapid charger | BC-171*1 Regular charger | BC-179*1 Regular charger | BC-121N Rapid multi-charger | BC-197 Rapid multi-charger | BC-123S*2 12 V/1 A | BC-145S*2 16 V/0.93 A | BC-147S*2 12 V/200 mA |
| IC-A25N/A25NE IC-A25C/A25CE | | | | | | | ✓ (Use with BC-224) | | |
| IC-A24/A24E IC-A6/A6E | ✓ | | | | ✓ (Use with AD-101) | | ✓ (Use with BC-119N/ BC-144N) | | |
| IC-A14/A14S IC-A15/A15S | | ✓ | ✓ | ✓ | ✓ (Use with AD-106) | ✓ (Use with AD-122) | ✓ (Use with BC-160) | ✓ (Use with BC-119N) | ✓ (Use with BC-171 /BC-179) |

*1 Not available in USA.
*2 BC-123/BC-145/BC-147SA for USA plug. SE for Europe plug. SV for Australia plug. BC-123/BC-145SUK for UK plug.

| MODEL NAME | AC ADAPTER | WALL CHARGER | CHARGER ADAPTERS | | | DC POWER CABLES | | CIGARETTE LIGHTER CABLES | |
|--------------------------------|------------------------------------|--------------------------|-------------------------------------|-------------------------------------|---|-------------------------|------------------------------------|--------------------------|-------|
| | BC-157S 12 V/6.6 A | BC-167S*3 12 V/500 mA | AD-101 | AD-106 | AD-122 (Supplied with BC-197, depending on version) | OPC-515L | OPC-656 | CP-20 | CP-22 |
| IC-A25N/A25NE IC-A25C/A25CE | | | | | | | | ✓ | |
| IC-A24/A24E IC-A6/A6E | ✓ (Use with BC-121N) | ✓ | ✓ (Use with BC-119N /BC-121N) | | | ✓ (Use with BC-119N) | ✓ (Use with BC-121N) | ✓ | |
| IC-A14/A14S IC-A15/A15S | ✓ (Use with BC-121N /BC-197) | | | ✓ (Use with BC-119N /BC-121N) | ✓ (Use with BC-197) | ✓ (Use with BC-119N) | ✓ (Use with BC-121N /BC-197) | ✓ (Use with BC-179) | |

*3 BC-167SA for USA plug. SD for Europe plug. SV for Australia plug.

| MODEL NAME | SPEAKER MICROPHONES | HEADSET ADAPTERS | | Bluetooth® HEADSET | BELT CLIPS | | | | |
|--------------------------------|----------------------|------------------|----------|--------------------|---|--------|-------|--------|-------|
| | HM-231 Waterproof | HM-234 | OPC-2379 | OPC-499 | VS-3 The side tone function is available. | MB-133 | MB-86 | MB-103 | MB-94 |
| IC-A25N/A25NE IC-A25C/A25CE | ✓ | | ✓ | ✓ | ✓ | ✓ | | | |
| IC-A24/A24E IC-A6/A6E | | ✓ | | ✓ | | ✓ | | ✓ | |
| IC-A14/A14S IC-A15/A15S | | ✓ | | ✓ | | | | | ✓ |

| MODEL NAME | LEATHER BELT HANGERS | | | CHARGER BRACKET | CARRYING CASE | ANTENNA | APPLICATION | |
|--------------------------------|------------------------|------------------------|-----------------------|------------------------|---------------|----------|---|---|
| | MB-96F Fixed type | MB-96FL Long type | MB-96N Swivel type | MB-130 | LC-159 | FA-B02AR | RS-AERO1A*3 Android™ app for flight planning. | RS-AERO1I*4 iOS™ app for flight planning. |
| IC-A25N/A25NE IC-A25C/A25CE | ✓ (Use with MB-133) | ✓ (Use with MB-133) | ✓ | | | ✓ | ✓ (IC-A25N/A25NE) | ✓ (IC-A25N/A25NE) |
| IC-A24/A24E IC-A6/A6E | ✓ (Use with MB-103) | ✓ (Use with MB-103) | ✓ | | ✓ | ✓ | | |
| IC-A14/A14S IC-A15/A15S | ✓ (Use with MB-94) | ✓ (Use with MB-94) | | ✓ (Use with BC-160) | | ✓ | | |

*3 The application for Android™ can be downloaded free from Google Play™.
*4 The application for iOS™ can be downloaded free from App Store.

OPTIONS FOR PANEL MOUNT AND MOBILE TRANSCEIVERS

| MODEL NAME | HAND MICROPHONES | | | Bluetooth® HEADSET | Bluetooth® UNIT | HEADSET ADAPTER | REAR PANEL ADAPTERS | |
|----------------------|---|--------|------------------------------|-------------------------|-----------------|-----------------|---|---|
| | HM-176 Same as supplied with PS-80 and MB-53. | HM-216 | HM-217 Speaker-microphone | VS-3 | UT-133A | OPC-871A | MBA-3 Card edge connector for use with PS-80. | MB-113 For D-sub 15-pin connection system |
| IC-A220 TSO version* | | | | | | | | |
| IC-A220 | ✓ (Use with PS-80/MB-53) | | | | | | ✓ | |
| IC-A210E | ✓ (Use with MB-53) | | | | | | | ✓ |
| IC-A120/A120E | | ✓ | ✓ | ✓ (Use with UT-133A) | ✓ | ✓ | | |

| MODEL NAME | EXTERNAL SPEAKER | MOUNTING BRACKET | DC POWER SUPPLY | RoIP GATEWAY | CONNECTION CABLE |
|----------------------|------------------|------------------|-----------------|--------------|--|
| | SP-35 | MB-53 | PS-80 | VE-PG3 | OPC-2275 For connection with VE-PG3. 5m, 16.4ft |
| IC-A220 TSO version* | | | | | |
| IC-A220 | ✓ | ✓ | ✓ | | |
| IC-A210E | | ✓ | | | |
| IC-A120/A120E | | | | ✓ | ✓ |

Some options may not be available in some countries, or unavailable due to no T/A. Please ask your dealer for details.
* The IC-A220 TSO version requires user supplied accessories such as headset, speaker and power supply for use.

✓ :Applicable □ :Not applicable