

Professional Licence Free Radio Suitable for Various Industry Sectors

Hospitality



Security



Events



Options

Headsets (VOX operation)



HS-94LWP
Earhook headset with boom microphone and waterproof connector



HS-95LWP
Behind-the-head type with boom microphone and waterproof connector



HM-153LA
Lapel type microphone with earphone



HM-166LA
Light weight earphone microphone

Speaker-microphones



HM-168LWP
IP67 waterproof speaker-microphone



HM-158LA
Compact size speaker-microphone



HM-159LA
Full size durable speaker-microphone

Throat microphone



HS-97 + VS-4LA or OPC-2004LA*
Throat microphone with earphone

* Either VS-4LA or OPC-2004LA is required when using HS-97 headset.
VS-4LA: PTT switch cable for manual PTT operation
OPC-2004LA: Plug adapter cable for VOX hands-free operation
HS-94 and HS-95 also can be used with either VS-4LA or OPC-2004LA.

Battery packs



BP-278



BP-279



BP-280

Battery packs	Type	Capacity	Operating time*
BP-278	Rechargeable Li-ion 7.2 V	1130 mAh (min.) 1190 mAh (typ.)	12 hours (Approx.)
BP-279	Rechargeable Li-ion 7.2 V	1485 mAh (min.) 1570 mAh (typ.)	17 hours (Approx.)
BP-280	Rechargeable Li-ion 7.2 V	2280 mAh (min.) 2400 mAh (typ.)	26 hours (Approx.)

* Tx: Rx: standby = 5 : 5 : 90 duty cycle. Power save ON.

Multi-charger



BC-214

Rapidly charges up to six transceivers and/or battery packs at the same time*.

* AD-130 charger adapter and BC-157S AC adapter are supplied with BC-214 (for only #03 version).



BC-157S



MB-130

For use with BC-213.

Charger bracket

Power supply cable

OPC-656
For use with BC-214.

Cigarette lighter cable

CP-23L
For use with BC-213.

Programming software

CS-F29SDR
Allows quick and simple setting from a PC.

Programming cable

OPC-478UC: USB cable

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ICOM

Digital **32ch**
+
Analogue **16ch**
LICENCE-FREE



dPMR
igital™

dPMR 446 / PMR 446 TRANSCEIVER

IC-F29SDR

Licence-Free Digital Radio

The IC-F29SDR's digital channels offer stable communication that is the most suitable for professional use. There is no need to apply for a licence so you can immediately use it as required. The radio contains both 32 digital channels and 16 analogue channels, making it compatible with existing PMR446 radios.

Digital 32ch
+
Analogue 16ch
LICENCE-FREE

Alert-Ring—Assists You in an Emergency Situation

You can effectively inform others of an emergency by using the Alert-Ring function. The Lone Worker function also transmits the Alert-Ring if no operation occurs during the preset period of time.

When you need an urgent help, hold down the Alert-Ring key for two seconds.

Once the radio starts transmitting Alert-Ring, it repeatedly transmits the ringer sounds until you hold down the key again.



IP67 Waterproof and Dust-Tight Protections

The IC-F29SDR can withstand submersion in 1 m depth of water for 30 minutes. This rugged construction provides dust-tight protection, making it suitable for outdoor use.



Class Leading 1500 mW Powerful Audio Output

The newly designed internal speaker provides louder and clearer audio, allowing you to get your message across even in noisy environments.



Information at a Glance with LCD Display

The IC-F29SDR has an LCD display that makes easy and quick setting changes such as Common ID or Key Beep. Additionally, in a situation where you cannot talk, you can send a PC configurable status message* to initiate a quick response.



Displaying a selected channel and Common ID



Selecting memory channel 1



Turning ON the Key Beep function



Receiving a status message

* An Optional programming software and cable are required.

Other Features

- 32 Digital dPMR 446 channels and 16 Analogue PMR 446 channels
- Up to 16 assignable favourite channels
- 254 Common IDs for Group Communications*¹
- All scan or selected zone scan
- CTCSS/DTCS compatible*²
- AQUAQUAKE™ expels water from the speaker grill
- Call-Ring sends ringer sounds
- Answers back with Smart-Ring*²
- Voice Announcement function
- Break-in request call*¹
- VOX for hands-free operation*³
- Optional programming software for radio parameter setting*⁴

*¹ For only the Digital mode *² For only the Analogue mode

*³ Optional headset required *⁴ Optional programming cable required

Specifications

- Usable channels : 16 ch (PMR446), 32 ch (dPMR 446)
- Output power : 500 mW (ERP)
- Audio output power (at 5% distortion) : Internal speaker 1500 mW typical (with 8 Ω), External speaker 400 mW typical (with 8 Ω)
- Dimensions (Projections not included) : 52.2 (W) × 111.8 (H) × 29.4 (D) mm (with BP-280)
- Weight : Approximately 270 g (with MB-133, BP-280)
- Communication range : Approximately 11 km (Wide open space)
- Operating temperature : -25°C to +55°C
- IP rating : IP67 / 55 / 54
- Military standard : MIL-STD-810G

* Communication range may differ depending on operating environment or weather conditions, etc. All stated specifications are subject to change without notice or obligation.

Supplied Accessories



Rapid charger
BC-213



AC adapter
BC-242



Battery pack
BP-280



Belt clip
MB-133