

# 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).



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 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**

## 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.



## 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.



## 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.

## 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.



## 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\*<sup>1</sup>
- All scan or selected zone scan
- CTCSS/DTCS compatible\*<sup>2</sup>
- AQUAQUAKE™ expels water from the speaker grill
- Call-Ring sends ringer sounds
- Answers back with Smart-Ring\*<sup>2</sup>
- Voice Announcement function
- Break-in request call\*<sup>1</sup>
- VOX for hands-free operation\*<sup>3</sup>
- Optional programming software for radio parameter setting\*<sup>4</sup>

\*<sup>1</sup> For only the Digital mode \*<sup>2</sup> For only the Analogue mode

\*<sup>3</sup> Optional headset required \*<sup>4</sup> 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