# Professional Licence Free Radio
# Suitable for Various Industry Sectors










## 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

### Earphone microphones (Manual PTT)



**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-157S

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).

### Charger bracket



**MB-130**
For use with BC-213.

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




dPMR digital™

## dPMR 446 / PMR 446 TRANSCEIVER

# IC-F29SDR

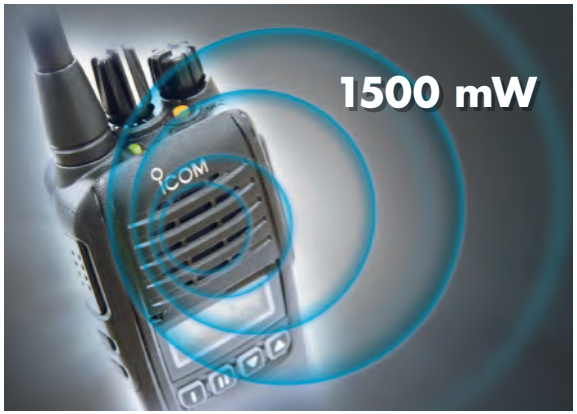
## Licence-Free Digital Radio

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.




## 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.

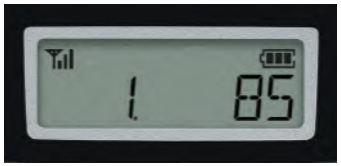
When you need an urgent help, hold down the Alert-Ring key for two seconds.

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

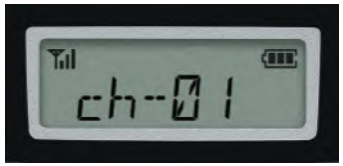


## Information at a Glance with LCD Display

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*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 : | –25C° to +55C° |
| • 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