

## Digital Advantages



Digital PMR446 provides the full advantage of the inherent clarity of the digital signal, and better audio quality at a greater range compared to analogue PMR446 radios. Even in urban areas, where analogue PMR446 users often experience channel congestion, digital channels offer stable communication suitable for professional use.

## Pan-European Licence-Free Communication



The IC-F29DR3 meets pan-European digital and analogue licence-free standards. There are 32 digital channels and 16 analogue channels\*. The IC-F29DR3 is ideal for organisations and businesses where the workplace is constantly changing such as construction sites and events.

\* Number of channels may be restricted, depending on country.

### Options

#### Headsets



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



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

#### Earphone microphones



**HM-153LA**  
Lapel type microphone with earphone



**HM-166LA**  
Light weight earphone microphone

#### Speaker-microphones



**HM-222HLWP**  
waterproof speaker-microphone



**HM-168LWP**  
IP67 waterproof speaker-microphone



**HM-158LA**  
Compact size speaker-microphone



**HM-159LA**  
Full size durable speaker-microphone

HS-97 : Throat Microphone with earphone. VS-4LA or OPC-2004LA is required.  
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-280**

Battery packs	Type	Capacity	Operating time*
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-214N**

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

\* AD-130 charger adapter is supplied with BC-214N.

#### Charger bracket



**MB-130**

For use with BC-213.

#### Power supply cable

**OPC-656**  
For use with BC-214N.

#### 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-1**: USB cable.

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**Digital Licence-Free Comms  
with True Professional  
Durability**



**dPMR™ 446/PMR446 TRANSCEIVER  
IC-F29DR3**

ACTUAL SIZE



dPMR™ 446/PMR446 TRANSCEIVER  
**IC-F29DR3**



Events



Construction sites



Security

# Compact Waterproof Digital Transceiver for Professional Users



## Digital and Analogue Dual Mode

The IC-F29DR3 can be used in both digital (32 ch) and analogue (16 ch) mode at the same time and can scan both zones at once. This allows an organisation to operate both digital and analogue radios in their fleets.



## IP67 Waterproof and Dust-tight

The IC-F29DR3 can withstand 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. Optional HM-222HLWP can supply 1500 mW loud audio as an external speaker.



## Group Call Communication

Similar to analogue CTCSS and DTCS codes, the digital Common ID can be also used for a group call. These codes and ID can be programmed to the 16 position rotary selector for instant call capability.



## VOX for Hands-free Operation

With either optional headset\* HS-94LWP or HS-95LWP, the built-in VOX function provides convenient hands-free operation. The HS-94LWP/HS-95LWP has a waterproof connector.

\* HS-94 and HS-95 also can be used with OPC-2004LA.



## Voice Announcement Function

When you rotate the rotary selector, the radio announces the selected channel number. The radio also announces the zone number and mode when the zone button is pushed.



## 12 types of Ring Tone

The Call-Ring function allows you to call your group members with 12 types of ring tone. When you prearrange any ring tone for an emergency, the ring tone can be used for an emergency alert.



## Other Features

- 26 hours operating time with supplied BP-280
- Lone Worker Function
- AquaQuake™
- Channel Set Mode
- Power ON scan
- Tone scan (analogue)
- Nuisance delete
- Answer back call (analogue)
- LED light indicator
- Status Call (RX only)
- PC programmable
- AMBE+2™ dPMR™ standard vocoder

### Specifications

- Usable channels: 16 ch (PMR 446) 32 ch (dPMR™ 446)
- Output power: 500 mW (ERP)
- Audio output power: Internal speaker 1500 mW typical (with 8 Ω load)  
External speaker 400 mW typical (with 8Ω load) / 1500 mW typical (with 8Ω load) with HM-222HLWP
- Dimensions: (projections not include) 52.2 (W) × 111.8 (H) × 29.4 (D) mm (with BP-280)
- Weight: 270 g (with MB-133, BP-280)
- Communication range\*: Approximately 11km (Wide open space)
- Operating temperature: -25°C to +55°C
- IP rating: IP67 (Dust-tight and waterproof protection)
- Military standard: MIL-STD-810-G

\* 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

(\* May differ depending on version)



Rapid charger  
BC-213



AC adapter  
BC-242



Battery pack  
BP-280



Belt clip  
MB-133