

PMR446 Channel Compatibility Guide

The purpose of this document is to provide an insight into the compatibility between Icom's range of PMR446 transceivers.

Below is a table of our PMR446 radios and their compatibility with other models in different zones when unmodified.

The new IC-F29SR2 and IC-F29DR2 have their CTCSS Tone turned on for the first 3 channels rather than in previous models having the first 3 CTCSS Tone turned off. Preferably, the CTCSS Tone should be turned on. If it is off, you will be able to hear other users on the same frequencies whether they have their CTCSS Tones turned on or not which will create a congested channel. The IC-F22SR, IC-F25SR, IC-F27SR, IC-F29SR/DR and IC-F4029SDR can be programmed to have the first 3 channels CTCSS Tones turned on to match

the new IC-F29SR2 and IC-F29DR2 in Zone 1 Analogue.

In Zone 2, the IC-F29SR2 and the IC-F29DR2 are compatible with each other and no modifications are required for these transceivers to be able to 'talk' to each other in analogue mode.

Zone 4 is the digital zone and the IC-F29DR2 is compatible with the IC-F4029SDR as well as being compatible with the IC-F29DR in Zone 2 due to the same frequencies and 'Comon ID' being used on the same channels.

The channels in Zone 3 for the IC-F29DR2 are the new digital frequencies (Harmonised European Standards EN 300 296-2, EN 300 113-2 & EN 301 166-2)

Radio Type	Zone 1	Zone 2	Zone 3	Zone 4
IC-F22SR	A	N/A	N/A	N/A
IC-F25SR	A	N/A	N/A	N/A
IC-F27SR	A	N/A	N/A	N/A
IC-F29SR	A	N/A	N/A	N/A
IC-F29SR2	A	A	N/A	N/A
IC-F29DR	A	D	N/A	N/A
IC-F29DR2	A	A	D	D
IC-F4029SDR	A	A	A	D

Key:

A = Analogue, D = Digital, N/A = Not Available

A	Compatible with same colour
A	Compatible with same colour
A	Compatible with same colour
D	Compatible with same colour
A or D	Not compatible
N/A	Not available

