



Programming Manual

Admin functions iCOM 5-Tone

Version 0.3 | April 2021

Telecommunications Security Standards {TESS+}

www.wfp.org/telecommunications-security-standards

tess@wfp.org

Table of Contents

Table of Contents	2
Introduction	3
In this Guide.....	3
Other Information Resources	Error! Bookmark not defined.
Technical Support	3
Training.....	3
Radio models covered by this manual.....	4
Handheld radios	4
Items needed for programming	5
Programming Cables.....	5
Programming Software	6
UN standard iCOM codeplugs	6
5-Tone admin function iCOM.....	7
Stun user equipment	7
Un-stun user equipment	9
Silent interrogate user equipment	10

Introduction

This manual is intended to use by Security Operation Centres Assistants (SOCA) and Security Advisors (SA) who are familiar with similar types of radio equipment in order to control the radio network. It contains service information required for the equipment described that gives operators the skills to use and control radio equipment properly.

In This Guide

This Programming Manual covers the basic operation of the iCOM selective calling (5-Tone) admin functions intended for radio network operators in charge of the radio network. It provides guidance on the configuration of main 5-Tone features.

Technical Support

Technical support is available to assist the technician in resolving any malfunction which may be encountered. Initial contact should be by electronic mail or opening a ticket wherever possible. When contacting Technical Support, be prepared to provide the radio model and serial number.

Training

Contact {TESS+} or the ETC training teams.

Radio models covered by this manual

Handheld radios

iCOM IC-F5062D**Features:**

Full keypad and display
Available in VHF / UHF
Supports up to 128 channels

Recommended for:

Network users
Network controllers

**iCOM IC-F3262DT****Features:**

Full keypad and display
Available in VHF / UHF
Supports up to 128 channels

Recommended for:

Network users
Network controllers



Items needed for programming

Programming Cables

ICOM IC-F5062D series radio OPC-1122U	 The image shows the OPC-1122U programming cable for the ICOM IC-F5062D series radio. It consists of a black cable with a blue RJ45 connector on one end, a small black plastic adapter in the middle, and a USB-A connector on the other end.
ICOM IC-F3262DT series radio OPC-1862	 The image shows the OPC-1862 programming cable for the ICOM IC-F3262DT series radio. It features a black cable with a yellow BNC connector on one end, a black plastic adapter in the middle, and a USB-A connector on the other end.

Programming Software

iCOM Programming Software CS-F3160/F5060(HA)

Applicable radios:

IC-F5000 Series – All firmware

IC-3200 Series – All firmware

Operating systems:

Win 7 & 10

CS-F3160/F5060(HA) / IF13006U

Revision 1.1 / 18 TONS

Cloning Software for IC-F3160/F5060 Series

(C) 2010 Icom Inc.

Contact tess@wfp.org for guidance on how to access the programming software.

UN standard iCOM codeplugs



Network controller codeplug

Features:

Stun, un-stun and silent interrogate.



The network controller codeplug contains features that, when used incorrectly, can seriously disrupt network operations. Make sure to program this codeplug in network controller radios only!

Check with your colleagues or email tess@wfp.org to request a copy of the standard codeplug.

5-Tone admin function iCOM

Stun user equipment

Stun is an admin functions that enables an admin radio to stun another radio. This should be used if the radio is stolen, misused or lost. To stun a device the 5-Tone radio ID of the device should be known, in example below: 40406808

5-Tone prefix for **Stun** is 29

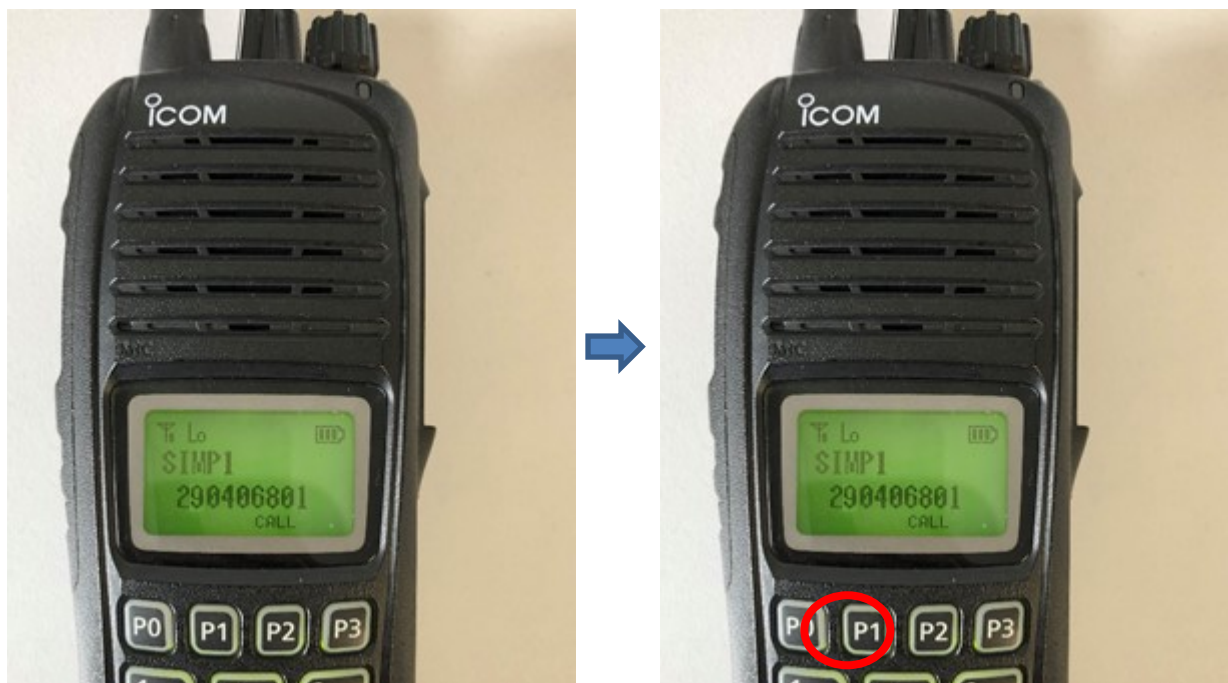
Full 5-Tone sequence: 290406801



Both radios must be on the same channel to be able to stun.

- How to **stun**

Manual dial the full 5-Tones sequence ► Push Call button P2



When a radio is **stunned** an acknowledge tone will be received, and the identity of the radio is displayed. If the acknowledge tone is not received, nothing happens on the screen, which means the 5-Tone stun sequence did not reach the radio.

ID displayed.



Un-stun user equipment

Un-stun is an admin function that enables a stunned radio. To Un-stun a device, the 5-Tones radio ID of the device should be known, in example below: 40406808

5-Tones prefix for **un-stun** is 3

Full 5-Tone sequence: 340406801



Both radios must be on the same channel to be able to un-stun.

- How to **un-stun**

Manual dial the full 5-Tone sequence ► Push Call button P2



When the radio is **un-stunned** an acknowledge tone will be received. If the acknowledge tone is received, the identity of the radio is displayed on the screen. If the acknowledge tone is not received, nothing happens on the screen, which means the 5-Tone un-stun sequence did not reach radio.

Silent interrogate user equipment

Silent interrogate is an admin function that is used to see if the radio is online. To **silent interrogate** a device, the 5-Tone radio ID of the device should be known, in example below: 40406808

5-Tone prefix for **silent interrogate** is 4

Full 5-Tone sequence: 440406801



Both radios must be on the same channel to be able to silent interrogate.

- How to **silent interrogate**

Manual dial the full 5-Tone sequence ► Push Call button P2



When a radio is **silent interrogated** an acknowledge tone will be received. If the acknowledge tone is received, the identity of the radio is displayed on the screen. If the acknowledge tone is not received, nothing happens on the screen, which means the 5-Tone **silent interrogate** sequence did not reach the radio.