

CAT4OM Quick Start Guide

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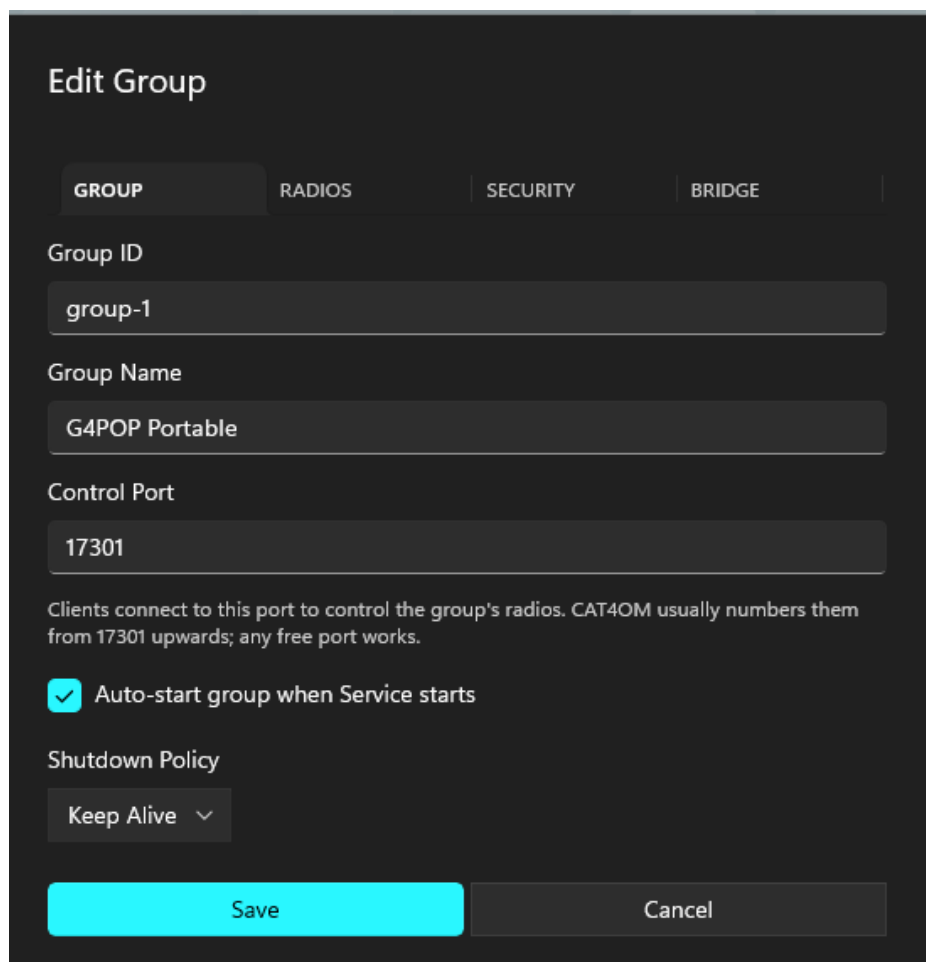
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Installing and adding a group

1. Download and install the software from [CAT4OM – Computer Aided Transceiver Software](#)
2. Start the server and client software
3. In the client software click 'Add Group'
4. Select the new group just created in the 'Radio Groups' pane and select 'Edit Group' to change group name, **make a note of the 'Control port number' as that will be required for other software like Log4OM**
5. Set any other required parameters in the other tabs and click 'Save'



The screenshot shows the 'Edit Group' dialog box with a dark theme. At the top, there are four tabs: 'GROUP' (selected), 'RADIOS', 'SECURITY', and 'BRIDGE'. Below the tabs, the 'Group ID' field contains 'group-1'. The 'Group Name' field contains 'G4POP Portable'. The 'Control Port' field contains '17301'. Below this field, there is a note: 'Clients connect to this port to control the group's radios. CAT4OM usually numbers them from 17301 upwards; any free port works.' There is a checked checkbox for 'Auto-start group when Service starts'. The 'Shutdown Policy' dropdown menu is set to 'Keep Alive'. At the bottom, there are two buttons: 'Save' (highlighted in red) and 'Cancel'.

Edit Group

GROUP RADIOS SECURITY BRIDGE

Group ID
group-1

Group Name
G4POP Portable

Control Port
17301

Clients connect to this port to control the group's radios. CAT4OM usually numbers them from 17301 upwards; any free port works.

☒ Auto-start group when Service starts

Shutdown Policy
Keep Alive ▾

Save Cancel

Adding a radio

- Make sure the group is stopped and click on 'Add radio' in the lower pane

Add New Radio

◀ **RADIO** CONNECTION OFFSET EXTENDED FOLLOWER ▶

Radio Handbook

Manufacturer

Select manufacturer... ▼

Radio

Select radio... ▼

No radio handbook selected

View Handbook Details

Radio Information

Radio ID

e.g., ftdx101d, main-radio

Radio Name

e.g., Main Radio, FTDX101D

Add Cancel

- Select a manufacturer and radio model/number and enable the radio by checking the box at the bottom of the window

- In the connection tab select the 'Connection type' port number if applicable and Baud rate. (Unless the radio is to be synchronised (Follower) or bridges to an external program click 'Add'

The screenshot shows a software window titled "Add New Radio" with a dark theme. At the top, there are five tabs: "RADIO", "CONNECTION" (which is selected and highlighted), "OFFSET", "EXTENDED", and "FOLLOWER". Below the tabs, the "Connection Settings" section contains several fields and controls. The "Connection Type" is set to "Serial — CI-V". The "CI-V Address (Icom, hex)" is set to "B6", with a note below it stating "Default handbook CI-V address loaded: B6". The "Serial Port" is set to "COM4", and there is a "Refresh Ports" button next to it. The "Baud Rate" is set to "57600". Below these, there are three dropdown menus for "Data Bits" (set to 8), "Stop Bits" (set to 1), and "Parity" (set to None). At the bottom of the settings section, there are two checkboxes: "RTS Enable" and "DTR Enable", both of which are currently unchecked. A "Test connection" button is located below the checkboxes. At the very bottom of the dialog, there are two large buttons: "Add" (highlighted in red) and "Cancel".

Add New Radio

RADIO **CONNECTION** OFFSET EXTENDED FOLLOWER

Connection Settings

Connection Type
Serial — CI-V

CI-V Address (Icom, hex)
B6
Default handbook CI-V address loaded: B6

Serial Port
COM4
Refresh Ports

Baud Rate
57600

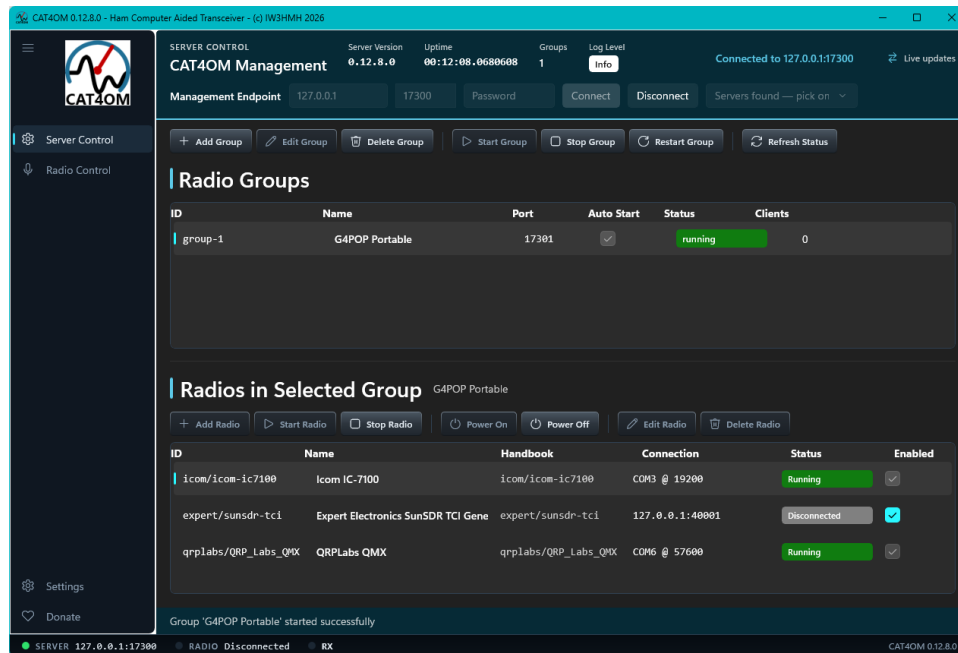
Data Bits: 8 Stop Bits: 1 Parity: None

☐ RTS Enable ☐ DTR Enable

Test connection

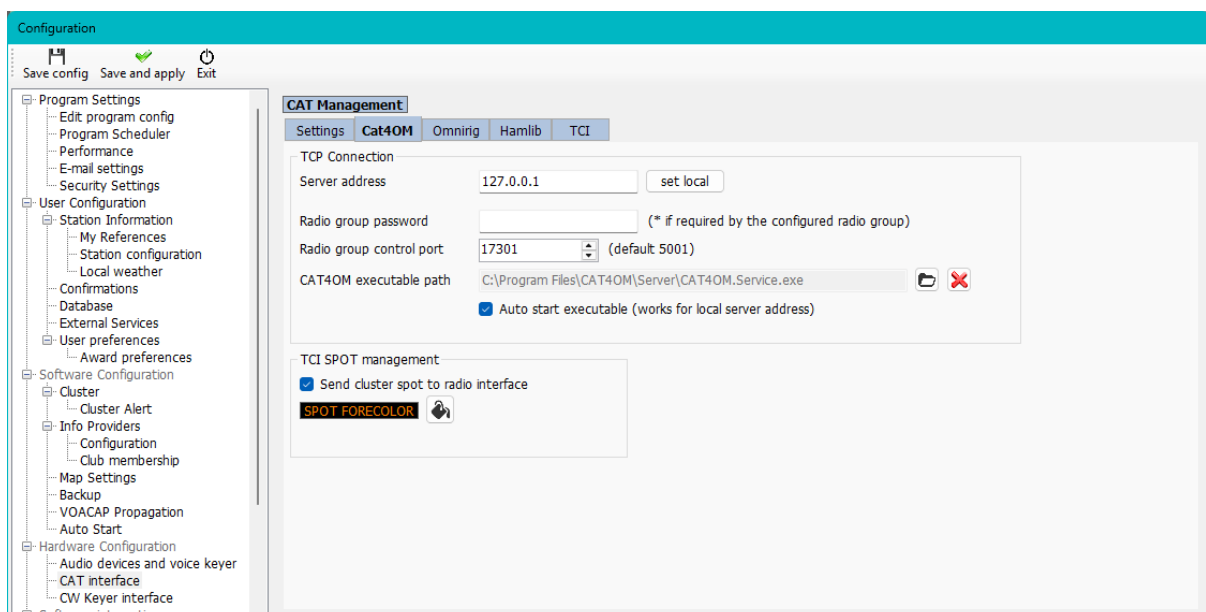
Add Cancel

- ‘Start the group’ and provided the radio is turned on its status should be shown as ‘Running’



Setting up Log4OM

- Start Log4OM and proceed to the Settings/Program configuration/CAT interface menu
- Select CAT4OM in the ‘CAT engine field and check ‘CAT AutoStart’
- Go to the CAT4OM tab and set the server address and add the Radio group control port number to the same as the port number noted in group editing earlier.
- Click ‘Save and apply’
- Log4OM will now be connected to CAT4OM and all radios included in the selected group will be available in Log4OM by selecting the radio number beside the frequency display



When a radio is selected the 'My (F4)' tab will adjust to display the selected radio

