



# LOG40M Setup

for

QO-100 QSOs

P4-A / Es'hail-2

QO-100

# Qatar-OSCAR 100



# General requirement



- LoTW requires new fields not supported by eQSL and some other online /offline logs:

- *13cm Band*
- *SAT Propagation mode*
- *QO-100 Satellite name*

- Mandatory fields – Red marked

***Once they are defines, you OK with almost all other logs***

<b>Station</b>	
Call Sign	4Z1ZV
DXCC	ISRAEL (336)
CQ Zone	20
ITU Zone	39
Grid	KM72KE
<b>Worked Station</b>	
Worked	VU2LBW
DXCC	INDIA (324)
CQ Zone	22
ITU Zone	41
Grid	MK82TV
Date/Time	2019-11-10 18:06:00
Mode	SSB (PHONE)
Band	13CM
Frequency	2400.22929
Receive Band	13CM
Propagation Mode	SAT
Satellite	QO-100
QSL	<a href="#">2019-11-10 19:14:13</a>
Record ID 1098428979 Received: 2019-11-10 19:14:13	

## TQSL Locator setting



The screenshot shows the Log4OM software interface. The 'Station Locations' tab is active, displaying a tree view of station locations. A dialog box titled 'Edit Station Location : 4Z1ZV - Home' is open, showing the following fields:

- Call Sign: 4Z1ZV
- DXCC Entity: ISRAEL
- Grid Square: KM72ke (highlighted with a red box)
- ITU Zone: 39
- CQ Zone: 20
- IOTA ID: (empty)

At the bottom of the dialog, there is a checkbox labeled 'Allow 'None' for Call Sign' which is currently unchecked.



# New Satellite Name Setup



Log4OM [User Profile: Zvika 4Z1ZV] [Solar data info K: 1 A: 9 SFI: 70 Sunspot: 0]

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VFO A  
RX TX 000

PTT Rig RIG 1

Callsign: PY2RN  
Name:   
Comment:   
Note:   
Mode: FM TX Power: 0.000 QO-100 31/10

Log4OM Settings  
Selected Config Station Info Settings 1 Settings 2 Cat & Cluster QSL and Labels External logs Database Audio config Services

Webpage

Select configuration:  
Zvika 4Z1ZV [RUNNING] [ACTIVE]

New Config Clone Config

Config ID: b2984840-11d3-4511-8c12-3de288d23d0f  
Start Log4OM executable with "CONFIG=yourConfigId" param to run Log4OM

Enable Expert mode

Edit user files:  
Band List Mode List RX Band List Sat Mode  
Cluster Commands Cluster  
Contests Satellites  
RST Dig mode RST CW mode RST Voice mode RST

satellites\_user.txt - Notepad

```
QO-100  
AO-10 | AMSAT-OSCAR 10  
AO-13 | AMSAT-OSCAR 13  
AO-16 | AMSAT-OSCAR 16  
AO-21 | OSCAR 21/RS-14  
AO-27 | AMRAD-OSCAR 27  
AO-3 | AMSAT-OSCAR 3  
AO-4 | AMSAT-OSCAR 4  
AO-40 | AMSAT-OSCAR 40  
AO-51 | AMSAT-OSCAR 51  
AO-6 | AMSAT-OSCAR 6  
AO-7 | AMSAT-OSCAR 7  
AO-73 | AMSAT-OSCAR 73  
AO-8 | AMSAT-OSCAR 8  
AO-85 | AMSAT-OSCAR-85  
AO-91 | AMSAT-OSCAR-91  
AO-92 | AMSAT-OSCAR-92  
ARISS | ARISS  
Arsene | OSCAR 24  
DO-64 | deLfi OSCAR-64  
EO-79 | EURO OSCAR 79  
EO-80 | EURO OSCAR 80  
FO-12 | Fuji-OSCAR 12  
FO-20 | Fuji-OSCAR 20  
FO-29 | Fuji-OSCAR 29  
HO-68 | Hope Oscar 68
```

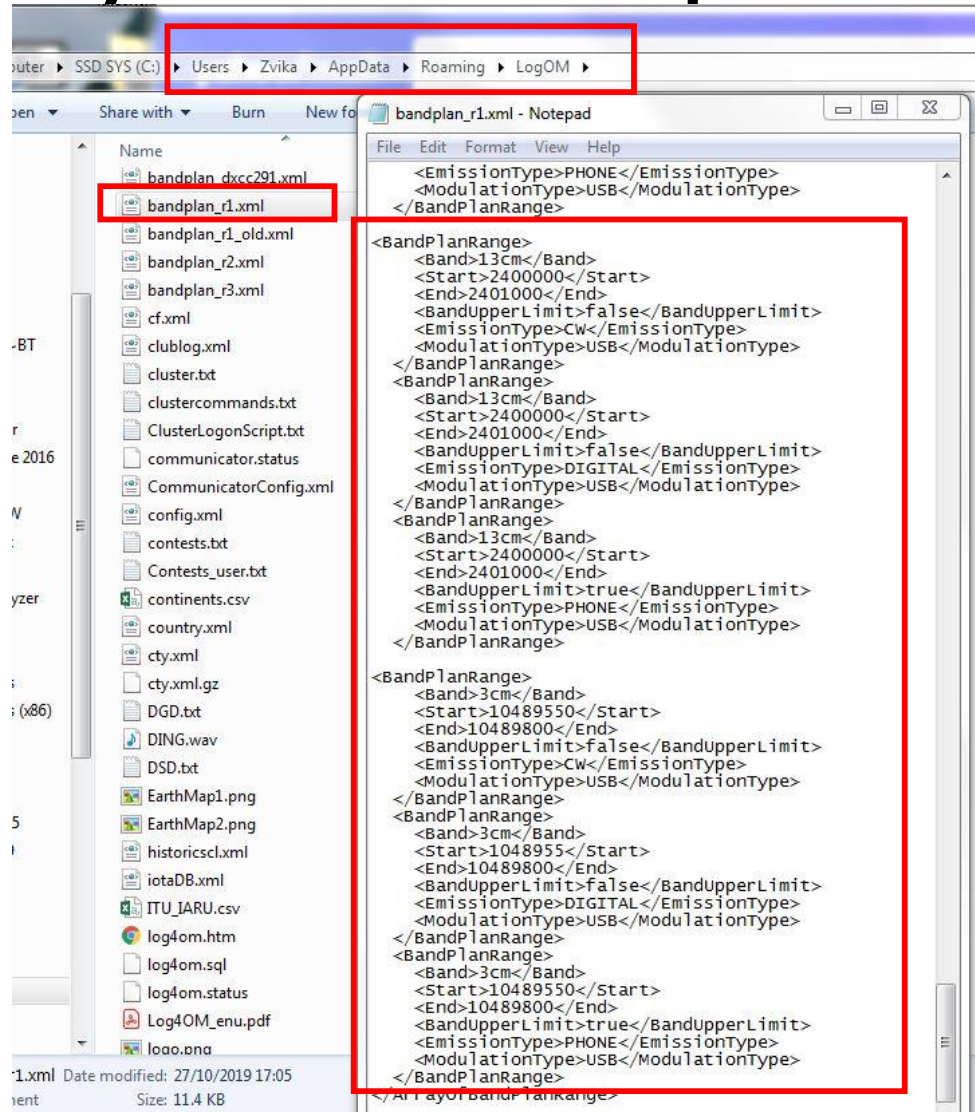
## New Frequency Bands Setup



- Need to add 3cm and 13cm to *bandplan\_r1* xml file
- Copy/paste modify other band or just get the updated file

[Link to updated file](#)

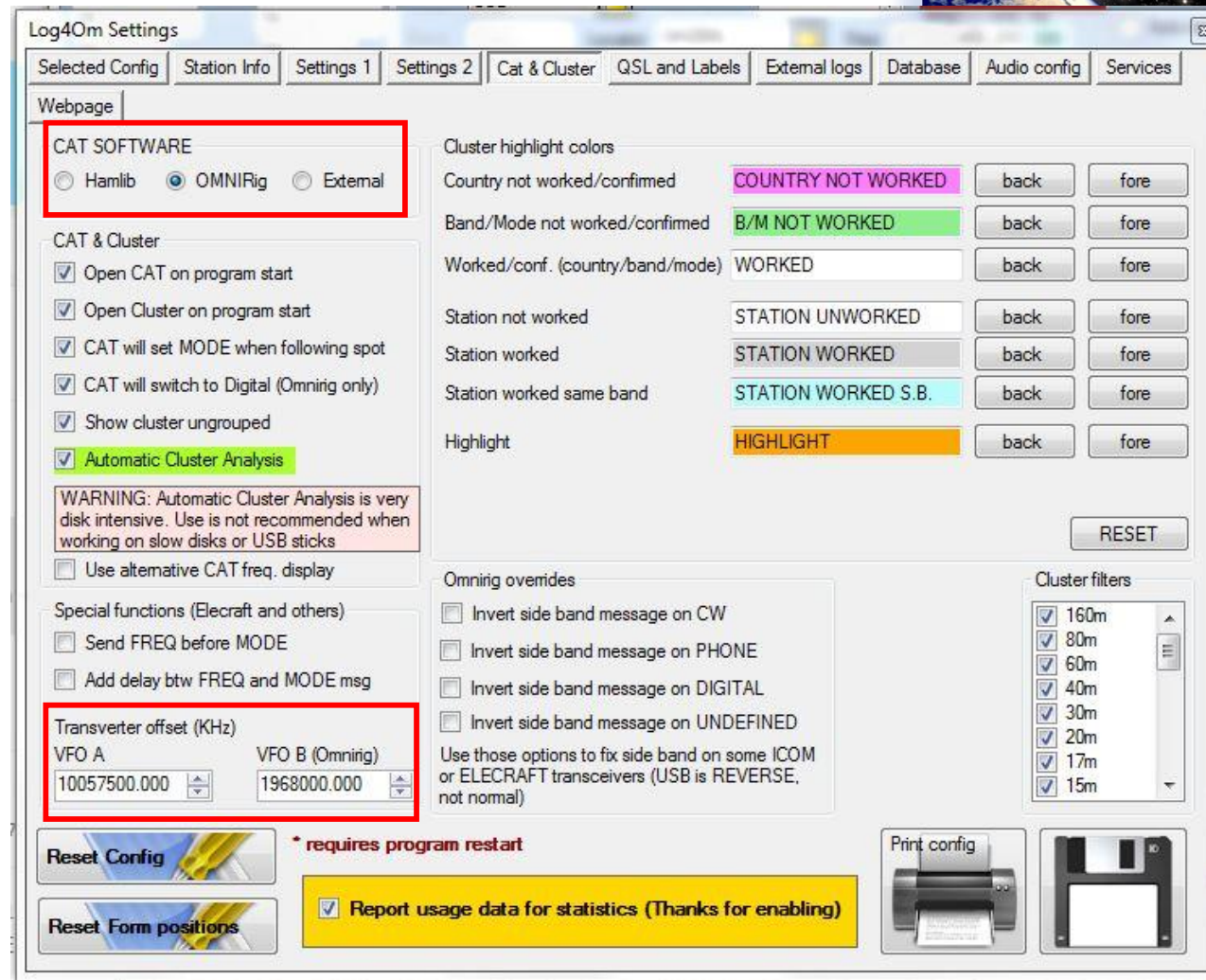
**Keep copy of file as it will be overwritten during version update**





- Setup CAT connection using OmniRig
- Preferred Split Mode
- You may define pre-set channels in your radio

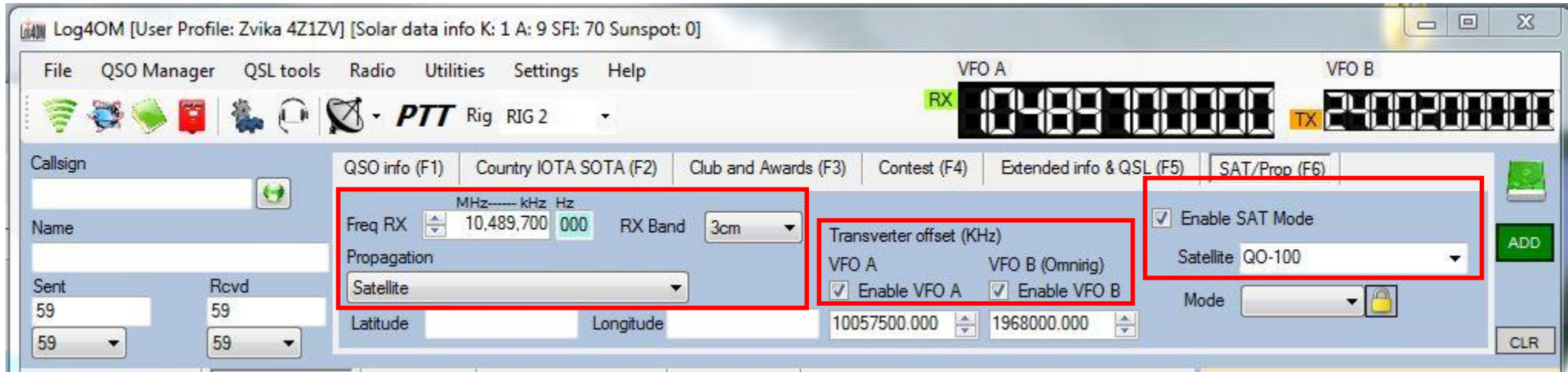
***After you tune, just press A=B to display both Rx/Tx accurate frequencies***



The screenshot shows the Log4Om Settings window with the following configurations:

- CAT SOFTWARE:** OMNIRig (selected)
- CAT & Cluster:**
  - Open CAT on program start:
  - Open Cluster on program start:
  - CAT will set MODE when following spot:
  - CAT will switch to Digital (Omning only):
  - Show cluster ungrouped:
  - Automatic Cluster Analysis:
- Transverter offset (KHz):**
  - VFO A: 10057500.000
  - VFO B (Omning): 1968000.000
- Cluster highlight colors:**
  - Country not worked/confirmed: COUNTRY NOT WORKED
  - Band/Mode not worked/confirmed: B/M NOT WORKED
  - Worked/conf. (country/band/mode): WORKED
  - Station not worked: STATION UNWORKED
  - Station worked: STATION WORKED
  - Station worked same band: STATION WORKED S.B.
  - Highlight: HIGHLIGHT
- Omning overrides:**
  - Invert side band message on CW:
  - Invert side band message on PHONE:
  - Invert side band message on DIGITAL:
  - Invert side band message on UNDEFINED:
- Cluster filters:**
  - 160m:
  - 80m:
  - 60m:
  - 40m:
  - 30m:
  - 20m:
  - 17m:
  - 15m:
- Buttons:** Reset Config, Reset Form positions, Print config, and a floppy disk icon.
- Other options:**
  - Send FREQ before MODE:
  - Add delay btw FREQ and MODE msg:
  - Report usage data for statistics (Thanks for enabling):

## SATELLITE Mode setup



## Enter new QSO



Log4OM [User Profile: Zvika 4Z1ZV] [Solar data info K: 1 A: 9 SFI: 70 Sunspot: 0]

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VFO A RX 1048970000 VFO B TX 2402200000

PTT Rig RIG 2

Call sign **WRKD SAME BAND**  
PY2RN

Name Eduardo Erelmann

Sent 59 Rcvd 59

Mode SSB TX Power 0.000

Band 13cm Locator GH28XL Freq 2,400,200 000

QO-100

Start 31/10/2019 12:05:27 End 12:05:27

ADD

CLR



You like it – Tell your friends  
You do not like it – Tell me 😊

***Enjoy***