

## JS8call API list

JS8Call uses a JSON API offered over UDP and TCP. The JSON format is as follows:

```
{'type': type, 'value': value, 'params': params}
```

type is listed below, value or params - if a value is not needed, use a null ''

Type	Value or Parameters
RIG.GET_FREQ	Get the current Frequency Returns Transceiver ID, Frequency(combined), Dial, & Offset
RIG.SET_FREQ	Sets Transceiver frequency Parameters list: {"DIAL": 14064000, "OFFSET": 977}(example)
STATION.GET_CALLSIGN	Get the current callsign Returns current station callsign
STATION.GET_GRID	Get the current grid locator Returns the current station grid
STATION.SET_GRID	Set the current grid locator Value: "EM73" (example)
STATION.GET_INFO	Get the current station information Returns station information (INFO button)
STATION.SET_INFO	Set the current station information Value: "80 Meter dipole, qth GA" (example)
STATION.GET_STATUS	Returns current station status (STATUS button)
STATION.SET_STATUS	Set the station status information Value: "JS8call version 2.2" (example)
RX.GET_CALL_ACTIVITY	Returns the current status of the received callsign(s)
RX.GET_CALL_SELECTED	Returns the information about the selected callsign
RX.GET_BAND_ACTIVITY	Returns the information of the band activity panel
RX.GET_TEXT	Returns the information of the received text panel
TX.GET_TEXT	Returns information from the saved text (SAVED button)
TX.SET_TEXT	Adds text to saved text list
TX.SEND_MESSAGE	Sends a text message Value: "IT IS RAINING HR, BTU" (example)

MODE.GET_SPEED	Returns the current transmit speed of JS8call
MODE.SET_SPEED	Sets the transmit speed of JS8call Parameters list: {'SPEED':3} (example)
INBOX.GET_MESSAGES	Returns the messages from a selected callsign
INBOX.STORE_MESSAGE	Stores a message for a selected callsign Parameters list: (example) {'CALLSIGN':"KN4CRD", 'TEXT':"IT IS RAINING HERE"}

A completed JSON format in Python might look like this:

```
message = json.dumps('RIG.SET_FREQ', '', {"DIAL": 14064000, "OFFSET": 977})
```