

Configuration
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Beacons
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APRS-IS gateway
RTC/NTP time
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Other
Administration
Input adjustment
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Statistics

Firmware version:  
v1.09/28.02.2016

## Radio configuration

Callsign:  -

Latitude:

Longitude:

Baudrate:

TX delay (ms):

Quiet time (ms):

Randomize quiet time:

PTT:

Squelch level:

Channel busy detect:

Consecutive packets send:

Input amplifier:

Output level:



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## Beacons configuration

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 10 10 Always

Message: |<lat>/<long>& I-Gate / Repetor DMR Vf. Tampa U=<volt>V,T=<temp

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 12 12 Always

Message: >145.725MHz T077 -060 www.xpander.ro

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

Dest: Path: RF[min]: IS[min]: Enable if:

Settings: APMI06 - 0 - 0 0 0 Never

Message:

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## Network settings

Device MAC address:

### Network configuration

IP configuration method:

### Static IP settings

IP address

IP mask

Gateway IP

DNS IP



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## APRS-IS settings

### Server settings:

Username:

Password:

### APRS-IS servers:

Server 1	<input type="text" value="romania.aprs2.net"/>	:	<input type="text" value="14580"/>
Server 2	<input type="text" value="europe.aprs2.net"/>	:	<input type="text" value="14580"/>
Server 3	<input type="text"/>	:	<input type="text" value="14580"/>

Inactivity reconnect timeout [m]:

### APRS-IS server filter settings:

Please refer to filter settings description at: <http://www.aprs-is.net/javAPRSFilter.aspx>

### Common settings:

APRS-IS heard buffer timeout [m]:

APRS-IS to RF dest:  -

### RF -> APRS-IS:

Gate RF packets to APRS-IS:

### APRS-IS -> RF (messages):

Gate messages to local RF:

Message path:  -

Local RF heard max. digi-hops:

Local RF heard buffer timeout [m]:

### APRS-IS -> RF (non-messages):

Gate non-message packets to RF:

Non-message path:  -

Gate if source station heard via RF:

RF heard buffer timeout [m]:

Max. packets per 1 min:

Max. packets per 2 min:

Max. packets per 3 min:

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## Time configuration

Year:

Month:

Day:

Hour:

Min:

Use NTP server

NTP server:

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## Remote access

### WWW

WWW user:   
WWW password:   
WWW port:

### Telnet

Telnet user:   
Telnet password:   
Telnet port:

### Telnet debug messages

APRS-IS:    
APRS-IS msgs:    
Telemetry:    
NTP:    
DNS:    
RF:    
AX.25:    
Weather:    
Weather Underground:    
Digipeater:    
GPS:    
Thermometer:    
DHCP:    
KISS:    
APRS-IS simple server:

### KISS via TCP/IP

KISS via TCP/IP enable:    
KISS via TCP/IP port:

### APRS-IS simple server

APRS-IS simple server enable:    
APRS-IS simple server port:   
Username:   
Password:   
Forward traffic APRS-IS simple server -> APRS-IS T2:    
Forward traffic APRS-IS T2 -> APRS-IS simple server:

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## Telemetry reports

Dest: Path: RF rate [min]: IS rate [min]:

Telemetry params:  -   -

Telemetry data:  -   -

Telemetry project title:

First telemetry data packet delay [min]:

Telemetry reports:

## Analog channels

Name: Units: Coeff A: Coeff B: Coeff C: 1 min avg:

Analog 1:

Source:

Name: Units: Coeff A: Coeff B: Coeff C: 1 min avg:

Analog 2:

Source:

Name: Units: Coeff A: Coeff B: Coeff C: 1 min avg:

Analog 3:

Source:

Name: Units: Coeff A: Coeff B: Coeff C: 1 min avg:

Analog 4:

Source:

Name: Units: Coeff A: Coeff B: Coeff C: 1 min avg:

Analog 5:

Source:

## Digital channels

	Name:	Label:	Inverted:	Source:
Digital 1:	<input type="text" value="O1"/>	<input type="text" value="On"/>	<input type="text" value="No"/>	<input type="text" value="(M) Output 1"/>
Digital 2:	<input type="text" value="O2"/>	<input type="text" value="On"/>	<input type="text" value="No"/>	<input type="text" value="(M) Output 2"/>
Digital 3:	<input type="text" value="O3"/>	<input type="text" value="On"/>	<input type="text" value="No"/>	<input type="text" value="(M) Output 3"/>
Digital 4:	<input type="text" value="O4"/>	<input type="text" value="On"/>	<input type="text" value="No"/>	<input type="text" value="(M) Output 4"/>
Digital 5:	<input type="text" value="I1"/>	<input type="text" value="Hi"/>	<input type="text" value="No"/>	<input type="text" value="(M) Input 1"/>
Digital 6:	<input type="text" value="I2"/>	<input type="text" value="Hi"/>	<input type="text" value="No"/>	<input type="text" value="(M) Input 2"/>
Digital 7:	<input type="text" value="I3"/>	<input type="text" value="Hi"/>	<input type="text" value="No"/>	<input type="text" value="(M) Input 3"/>
Digital 8:	<input type="text" value="I4"/>	<input type="text" value="Hi"/>	<input type="text" value="No"/>	<input type="text" value="(M) Input 4"/>

## WXBits default settings

Output 1 default state:

Output 2 default state:

Output 3 default state:

Output 4 default state:



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## Weather configuration

### Weather beacon

Report settings: Dest:  -  Path:  -  RF rate [min]:  IS rate [min]:

Report comment:

### Weather Underground service

Wunderground reports:

Station ID:

Password:

Normal upload server:

Rapid fire upload server:

Weather send method:

Normal weather send rate [min]:

Rapid fire weather send rate [s]:

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## External devices

### RS-232 ports

BT/Microsat Bluetooth connected:

If you want use Bluetooth module connected to serial port, then only port 1 is operational (in Bluetooth mode) and port 2 is disabled.

RS-232 port 1:

RS-232 port 2:

Not all RS-232 port 1, port 2 settings are possible.  
If WS-2300 or WS-2350 station is selected on one port, then the other port can work in RX-only mode (e.g. GPS).

### RS-485 ports

WXTelemetry module (analog):

WXBits module (digital):

### Thermometer port

Thermometer support

Thermometer model:

### Weather station

Weather station:

Not all RS-232 port 1, port 2 settings are possible.  
If WS-2300 or WS-2350 station is selected on one port, then the other port can work in RX-only mode (e.g. GPS).

### GPS receiver

GPS module baudrate:

### KISS

KISS baudrate:

KISS direction:

Check for serial->RF packet correctness:

### RSS-131 gamma monitor

RS-131 baudrate:

Units range:

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**Voltage measurement**

Measured input voltage: 13.7V.

Voltage measurement calibration:

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## Input adjustment

Click [HERE](#) to open WX3in1 input signal oscilloscope.

Input amplifier (temporary adjustment):

### WX3in1 Oscilloscope settings

Trigger source:

Time range [ms]:

### Last 10 received packets RX level (oldest first)

51% 48% 52% 48% 53% 48% 53% 48% 52% 88%

Notes:

- only one WX3in1 Oscilloscope window can be opened at a time.
- after tuning input amplifier to suitable value you need to write it to device non-volatile memory in "Radio" Tab.

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## Output adjustment

### Transmit control

Global transmit disable:

### Output level

Output level (temporary adjustment):

### Test tone settings

Test tone:

Send test tone for:

PTT during test tone:

#### Notes:

- after tuning output level to suitable value you need to write it to device non-volatile memory in "Radio" Tab.