

# BrandMeister - ITALIA

## Configuration of Hytera Repeater

The screenshot displays the configuration interface for an RD985 Hytera Repeater. On the left is a tree view of settings, with 'Network' under 'Conventional' selected. The main area is divided into two sections: 'Basic Setting' and 'IP Connect Configuration'.

**Basic Setting**

- DHCP:
- Ethernet IP: ~~192 . 168 . 0 . 144~~
- Gateway IP: ~~192 . 168 . 0 . 254~~
- Netmask: ~~255 . 255 . 255 . 0~~
- Manual Set DNS On/Off:
- DNS Server IP: 8 . 8 . 4 . 4
- MAC Address: 64 69 BC 04 17 AE

**IP Connect Configuration**

- Repeater Type: Slave
- Jitter Buffer Length: 8
- Network Authentication Key: **leave blank**
- Master IP: 95 . 110 . 161 . 52
- Master UDP Port: 50000
- IP Connect Networking UDP Port: 50000
- P2P Firewall Open Timer[sec]: 6
- IP Multi-site Service:
- IP Multi-site Service UDP Port: 50001
- Remote RDAC:
- Remote RDAC UDP Port: 50002

Master Domain Name On/Off

Domain Names brandmeister.digitalham.it

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## Configuration of MotoTRBO Repeater

The screenshot displays the configuration interface for a DR 3000 MotoTRBO Repeater. On the left, a navigation tree shows the following structure:

- DR 3000
  - General Settings
  - Accessories
  - Security
  - Network** (highlighted with a red circle)
  - Channels
    - Zone1
      - IP-DIG TS1 TS2
      - IP-DIG TS1
      - IP-DIG TS2
      - NO IP-DIG

### Network

[Top](#) [Radio Network](#) [Link Establishment](#) [IP Site Connect](#)

#### Link Establishment

Link Type

Authentication Key

Master IP

Master UDP Port

DHCP

Ethernet IP

Gateway IP

Gateway Netmask

UDP Port

Peer Firewall Open Timer (sec)

Master Archive File  ...

#### IP Site Connect

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## Web-Links

[www.digitalham.it](http://www.digitalham.it)

## Usage on DMR-Radio

TG dal 226,228,238,240,244 – Slot1	On Demand - 10 Minutes – Attivation press PTT
TG222 – Slot1	National: IT-DMR, DMR-CISARNET, DMR-ITALIA - DMR-TAA e DigitalHam
TG222 – Slot2	National only BrandMeister
TG2220-2229 – Slot2	Regional: IT-DMR, DMR-CISARNET, DMR-ITALIA - DMR-TAA e DigitalHam. Dynamic Interregional ON-DEMAND 10 Minutes
Cross Interregional – Slot2	
TG2220-2229	Dynamic Interregional ON-DEMAND 10 Minutes
TG8500 - DSTAR XRF003 B – Slot1 – 2	On Demand 10 Minutes - Attivation press PTT
TG2226 - DSTAR XRF055 - Slot2	On Demand 10 Minutes - Attivation press PTT
TG2220 - DSTAR XRF390 - Slot2	On Demand 10 Minutes - Attivation press PTT
TG9 – Slot2	The Time Slot 2 is disconnected from the network - The slot is locally for 10 Minutes  TG9 has priority over all TG
TG8 – Slot2	Regional geographical - Active repeaters geographical region from which the call originated  Priority on TG2220-2229
Call Private 9990	ECHOTEST

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## **Positioning on Hytera CPS:**

- Conventional -> General -> Accessories:
  - GPS = On, GPS Data Compression = Off
  - Just configure preferred location report mode at GPS Trigger section
- Conventional -> General -> Network
  - RRS & GPS Radio ID: 5057
- preferred channel settings:
  - IP Multi-site Connect: On
  - GPS Revert Channel: Selected
  - RRS Revert Channel: Selected

## **Positioning on Motorola CPS:**

- General:
  - GPS: On
- Network:
  - CAI Network: 12
  - ARS Radio ID: 5057
- preferred channel settings:
  - ARS: On System/Site Change
  - IP Site Connect: On
  - GPS Revert: Selected
  - Data Call Confirmed: On

**It is also possible to configure Telemetry (server at the same ID 5057)**

## **Now about messaging.**

Any SMS that send to callsign and SSID configured at Users table will be delivered to you radio.

To send SMS to APRS: just send SMS to private ID 5057 in nextformat:  
<APRS Callsign in upper case><space><message text, ASCII>

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