

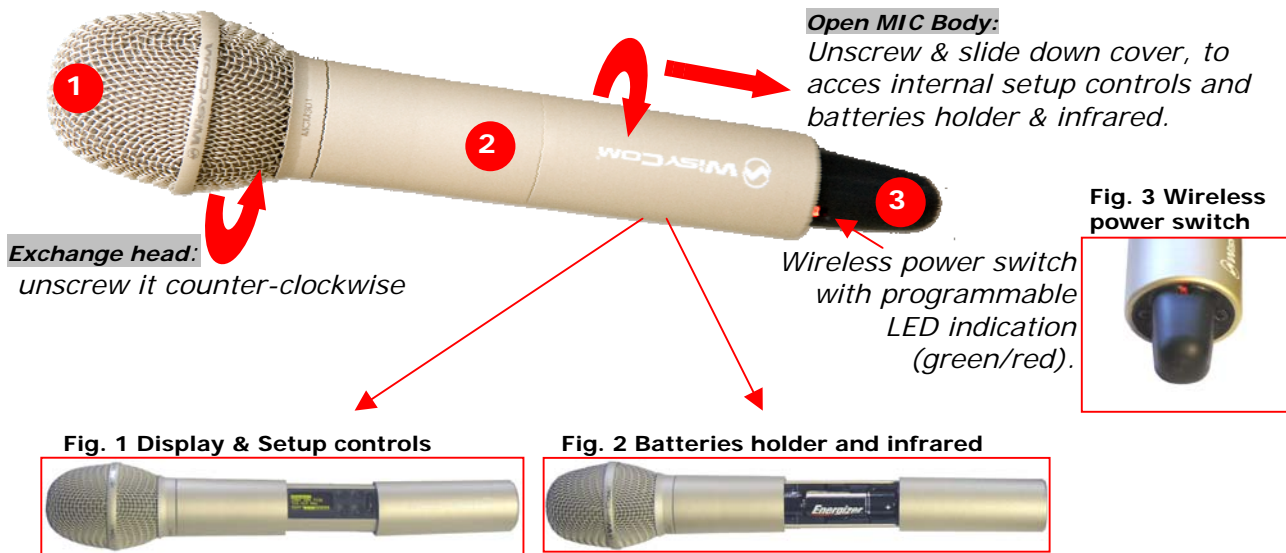
MTH300 QUICK USER GUIDE

MTH300 is a professional radio microphone especially design for broadcast/high quality applications.

1. OPERATION

MTH300 is composed by 3 detachable parts:

- 1) **MIC Head** (available with cardioid/hypercardioid polar pattern).
- 2) **MIC Body** (the below part can be open to access "Display & Setup controls" area (fig.1) and on the back the "Batteries holder & Infrared" area (fig. 2).
- 3) **MIC Antenna**, made with fibreglass reinforced housing and with a "Wireless power switch" (fig. 3). "MIC Antenna" is fastened to body with 2 anvils and a micro-connector.



1.1 LED INDICATION (POWER SWITCH)

Led indication with bicolor led (red & green) on wireless power switch (fig. 3):

- Wireless transmission status: green on/off)
- Battery status: green steady, slowly blinking (< 25%), quickly blinking (<12%)
- Modulation peek (if activated): red
- Ptt status: red if active

1.2 BATTERIES

MTH300 is working with 2 AA alkaline or NiMH batteries (select correct type on setup controls).

- Battery status can be checked on internal OLED display or looking to LED status on power switch (see 1.1)

1.2.1 BATTERY SUBSTITUTION

- Open MIC body: unscrew counter-clockwise the below cover to access batteries holder;
- Take out below battery to release upper battery leverage;
- 2nd battery falls down and can be removed.

1.3 POWERING UP

Move the wireless power switch (fig. 3) in upper position (towards MIC body) to activate wireless transmission: a green LED lights up (blinking when battery is low!).

1.4 SETUP CONTROLS

Open MIC Body to access the "display and controls" area (fig. 1):

- A) Graphics Display (OLED)
- B) Channel selection buttons (ch+ / ch-)
- C) MIC gain setup buttons (gain+ / gain-)
- D) 3 position selector (up / down / click)

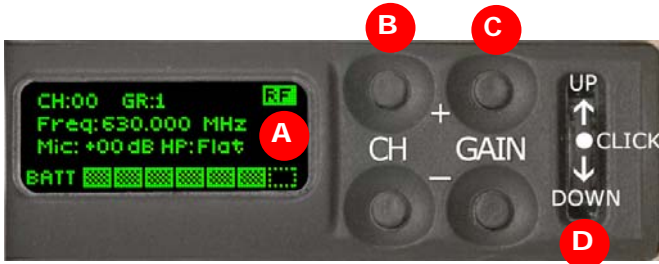


Fig. 5

1.4.1 OLED POWER UP (OLED IS IN OFF CONDITION)

Pushing down selector (**click**), oled turns on. A first menu with serial NO and brand logo is display, then <status> menu enters automatically.

Pushing and holding selector (**click**) > 2 sec, serial NO menu is displayed till **up/down** is selected.

1.4.2 OLED POWER DOWN (OLED IS IN ON CONDITION)

Pushing and holding selector (**click**) > 2 sec, display is turned off.

Display turns off automatically after 15 sec, unless in <irda> menu or in <audio> menu (with audio level < 5% from nominal).

1.4.3 DISPLAY MENU

Setup menu are accessed in sequence:

→ <status> → <tuning> → <audio> → <rf power> → <other> → <irda> → <Lock> →

Using **up/down** selector all menus can be accessed in sequence.

1.4.3.1 <status> menu



This is the first menu displayed after power up.

Major info are displayed:

- Current channel/group (i.e. CH:00 GR:1)
- Current frequency (i.e. 630 MHz)
- Mic gain (i.e. +00) and high pass filter (i.e. FLAT)
- RF active, top right label RF (if present RF is on)

1.4.3.2 <tuning> menu



This menu can be entered by scrolling selector or using *quick channel setup* buttons (**ch+** and **ch-**). In this menu current channel/group and frequencies can be setup. *Sync* group is a quick self settable channel synchronized from receiver.

1.4.3.3 <audio> menu



This menu can be entered by scrolling selector or using quick gain setup buttons (**gain+** and **gain-**). To help proper audio gain setting, an audio bar is supplied (with peak hold bar) → **TRY TO SETUP TO HAVE A MAX PEAK HOLD BAR CLOSE TO 100.** High pass audio filter can be setup with different preset values.

NOTE: while in this menu display is not automatically turned off.

1.4.3.4 <rf power> menu



This menu can be entered by scrolling selector. RF power can be setup to High (50 mW ERP) or Low (10 mW ERP).

1.4.3.5 <others> menu



This menu can be entered by scrolling selector. Power switch green LED brightness can be setup → LED light. Modulation peak LED on power switch (become RED when audio get close to saturation) can be enabled/disabled). Battery type can be setup in Alkaline or NiMH.

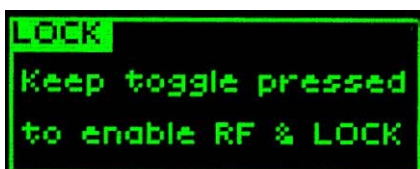
1.4.3.6 <irda> menu



This menu can be entered by scrolling selector. While is this menu MIC can be connected to IRDA for setup or firmware upgrades.

NOTE: while in this menu display is not automatically turned off.

1.4.3.7 <lock> menu



This menu can be entered by scrolling selector. Long pressing (2 sec.) selector button (**click**) it locks MTH300 in transmission mode.

To unlock, long pressing (2 sec.) selector button again.

DECLARATION OF CONFORMITY

Manufacturer Name: WISYCOM S.r.l.
Manufacturer Address: via Spin, 156
 36060 Romano d'Ezzelino (VI)
 Italy

Herewith we declare that

Product Type : Handheld Transmitter
 Product Name : MTH 300

Optional and Accessories : This declaration includes all the optionals and accessories included into the product.

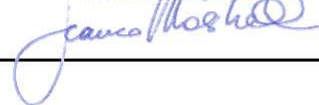
**We declare that the above mentioned product is compliant with
 89/336/EEC EMC directive.**

- EN 60065 Safety requirements for mains operated electronic and related apparatus for household and similar general use.
- ETS 300 422 Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range.
- ETS 301 489 Electromagnetic Compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services.

The conformity is achieved by fulfilling the following European Standard(s):

Romano d'Ezzelino (VI)	3-Dec-2007
Address	Data

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