

LICENSING REQUIREMENTS

This equipment complies with Part 74 of the FCC Rules.

A license is required for operation subjective device will be issued only to the following:

- (1) A licensed of an AM, FM, TV or international broadcast station or low power TV station. Low power auxiliary stations will be licensed for used with a specific broadcast or low power TV station or combination of stations licensed to the same licensee within the same community.**
- (2) A broadcast network entity.**
- (3) A cable television system operator who operates a cable system that produces program material for origination or access cablecasting as defined in §76.5(r)**
- (4) Motion picture producers as defined in §74.801.**
- (5) Television program producers as defined in §74.801.**
- (6) Licensees an conditional licensees of stations in the Multipoint Distribution service and Multichannel Multipoint Distribution Service as defined in §21.2 of this chapter, or entities that hold an executed lease agreement with an MDS or MMDS licensee or conditional licensee or with an Instructional Television Fixed service licensee or permitted.**

DX-837 UHF BAND PLL SYNTHESIZED WIRELESS GOOSENECK MICROPHONE

FEATURES

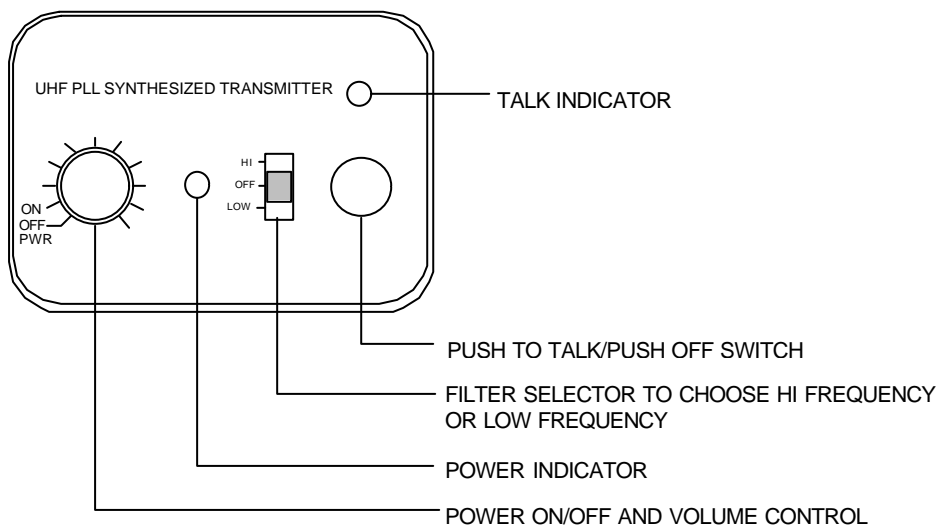
- * Operating on UHF band frequency range 790~806MHz with PLL synthesized control.
- * PLL (Phase Locked Loop) synthesized wireless microphone system with 16 switchable frequencies makes it easy to choose non-interference channels.
- * DX-837 wireless desktop microphone is well suitable for broadcasting, meetings & speech in public areas.
- * DX-837 is equipped with slim & flexible gooseneck, beautiful & rugged microphone with multi-function panel.
- * DX-837 equipped with professional uni-directional electret condenser unit to avoid sounds coming from the sides & rear of the microphone to perform high sensitivity, wide-range frequency response, bright & crisp sound reproduction.
- * The mic features Hi, Normal or Low audio frequency selector, on/off and volume control to control the microphone signal output. Special circuitry design to eliminate “ pop” audio on/off switch.
- * Operation on UHF band equipped with high sensitivity, reliable receiver to ensure the high quality RF & AF reproduction.
- * The service area is about 50~100M.
- * Powered by 2 x UM-3 batteries. Over 7 hours continuous operation. With one LED to indicate battery strength. When the LED turns from green to red color, please replace a new battery.
- * This microphone has LINE IN audio jack to extend the service area and sensitivity by connecting various audio resources or another desktop microphone.

SPECIFICATIONS

| | |
|-----------------------------|---|
| Frequency Range | UHF 790~806MHz |
| RF Power Output..... | 30mW max. |
| Oscillation Mode | PLL Synthesized, 16-CH |
| Frequency Stability | ±0.005% with quartz controlled |
| Maximum Deviation | ±15KHz with limiting compressor |
| Suprious Emission | Less than -43dB below carrier frequency |
| T.H.D. | Less than 0.5% (at 1KHz) |
| Power Supply | UM-3(AA size)x2 |
| Battery Life..... | about 7~8 hours continuous operation. |
| Tone Key | 32KHz tone key control |
| Mic Unit | Uni-directional condenser type |
| LED Indicator | Power ON-OFF & Low battery & TALK indicator |
| Dimensions(Gooseneck) | 25φx340mm |
| Base(LxWxH) | 151mmx125mmx40mm |

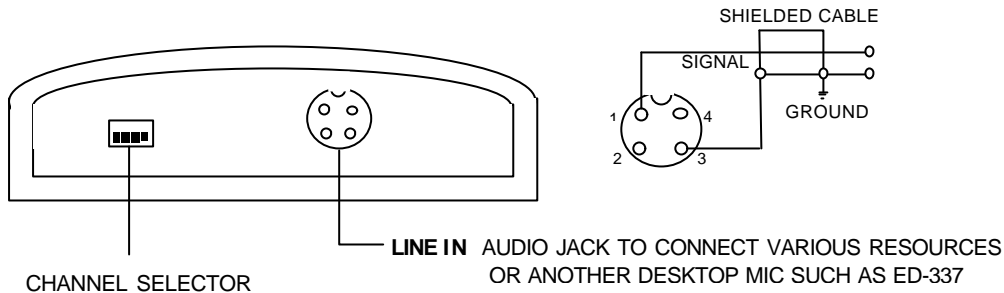
NAME OF COMPONENT

FRONT PANEL



REAR PANEL

4P CONNECTOR CONNECTING DIAGRAM



| | | | |
|-------|-------|-------|-------|
| CH 1 | CH 2 | CH 3 | CH 4 |
| CH 5 | CH 6 | CH 7 | CH 8 |
| CH 9 | CH 10 | CH 11 | CH 12 |
| CH 13 | CH 14 | CH 15 | CH 16 |

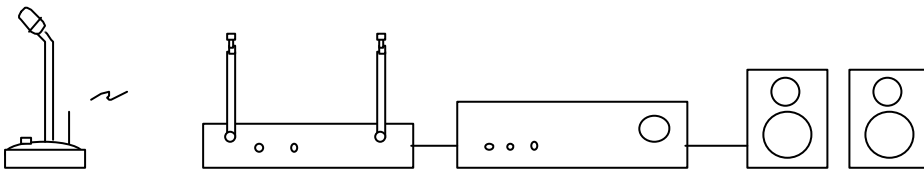
| | | | |
|---------|---------|---------|---------|
| CH 1 | CH 2 | CH 3 | CH 4 |
| 790.375 | 791.125 | 792.125 | 793.250 |
| CH 5 | CH 6 | CH 7 | CH 8 |
| 794.250 | 795.125 | 796.250 | 797.375 |
| CH 9 | CH 10 | CH 11 | CH 12 |
| 798.375 | 799.875 | 800.875 | 801.625 |
| CH 13 | CH 14 | CH 15 | CH 16 |
| 802.750 | 803.875 | 804.750 | 805.375 |

M H z

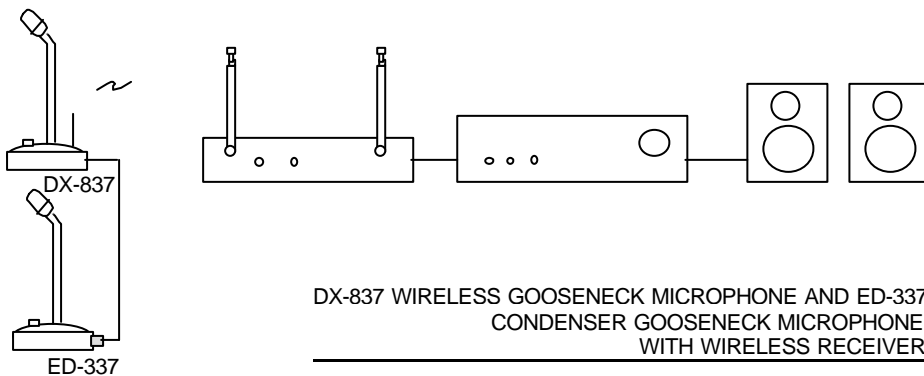
OPERATION

1. Push to open the battery cover under the base.
2. Insert two UM-3 batteries into the battery compartment according to polarity (+) and (-) indication marked on the battery housing.
3. Fit battery cover back.
4. Turn the volume with power-on-off switch to "ON" firstly, the Power indicator will be lighted in green to indicate the carrier frequency is sent out. Push TALK button to the second step, the TALK indicator will be lighted to indicate the microphone is operating.
5. Use the Volume control to set the output level and the Filter Selector to choose Hi, Low or Normal audio frequencies as you like.
6. When you do not want to talk, push the TALK button again and the TALK indicator will fade away.
7. Turn the power button to "OFF" when mic is not used, and remove the battery if not used for a long time. This will prevent from the damage that a defective "leaking" battery may cause.
8. Turn the power "ON", the power indicator lighted in green means that power supply is normal and the power indicator turned to red means that the battery is in need of replacement.

CONNECTING DIAGRAM



WIRELESS GOOSENECK MICROPHONE WITH WIRELESS RECEIVER



DX-837 WIRELESS GOOSENECK MICROPHONE AND ED-337
CONDENSER GOOSENECK MICROPHONE
WITH WIRELESS RECEIVER