

# **MIPRO<sup>®</sup>**

**MU-53HN / MU-55HN / MU-101**

**MU-53HNP / MU-101P**

**Headworn Microphone**

**User Guide**



## Disposal



2005-08-13

Dispose of any unusable devices or batteries responsibly and in accordance with any applicable regulations.

### **Disposing of used batteries with domestic waste is to be avoided!**

Batteries / NiCad cells often contain heavy metals such as cadmium(Cd), mercury(Hg) and lead(Pb) that makes them unsuitable for disposal with domestic waste. You may return spent batteries/ accumulators free of charge to recycling centres or anywhere else batteries/accumulators are sold.

By doing so, you contribute to the conservation of our environment!

# **MIPRO** MIPRO Electronics Co., Ltd.

Headquarters: 814 Pei-Kang Road, Chiayi, 60096, Taiwan.

Web: [www.mipro.com.tw](http://www.mipro.com.tw)

E-mail: [mipro@mipro.com.tw](mailto:mipro@mipro.com.tw)



AS111115

Design and specifications are subject to change without prior notice

### **FEATURES:**

1. Rotated the earhook inward for easy storage.
2. Easy to change to different capsule modules.
3. Steel tube holder allows user to rotate capsule at one's wish to ensure perfect fit between capsule and user's head.
4. Capsule can be adjusted to its best position and angle at one's wish.
5. Steel tube with microphone cable can be installed on the steel tube holder at either side. This will satisfy all different users.

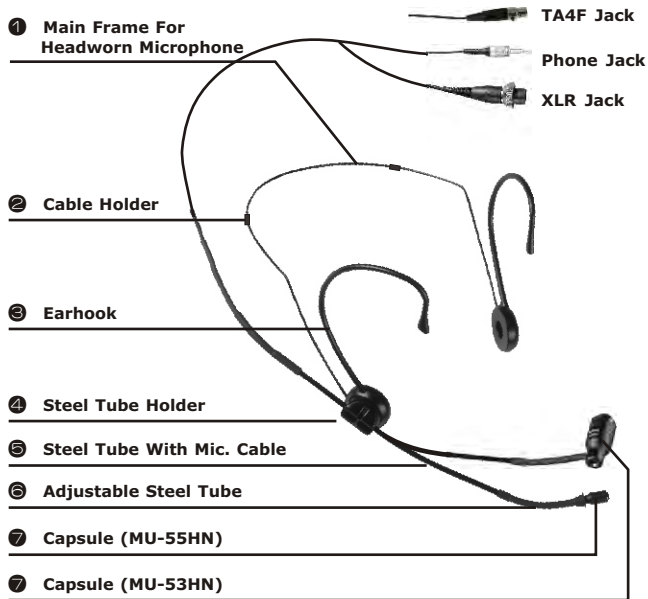
### **FURNISHED ACCESSORIES:**

- Carrying Storage Bag ×1 (optional)
- Capsule Windscreen ×1 (optional)
- User Guide ×1

## Headworn Microphone

### Adjustment features and connectors styles:

MU-53HN/MU-55HN



## Adjustment features and connectors styles:

MU-101/MU-101P/MU-53HNP

① Main Frame For Headworn Microphone

② Cable Holder

③ Earhook

④ Steel Tube Holder

⑤ Steel Tube With Mic. Cable

⑥ Adjustable Steel Tube (MU-53HNP)

⑦ Capsule (MU-101)









⑦ Capsule (MU-53HNP)

MU-101P  
MU-53HNP  
Phone Jack

TA4F Jack

Phone Jack

XLR Jack

MU-101	 +  or  or 
MU-101P	 + 
MU-53HNP	 + 

## Headworn Microphone

### How to Assemble Your Headworn Microphone?

After installing the steel tube with microphone cable ⑤ onto steel tube holder ④, fix the microphone wire in cable holder ② on the main frame ①. As shown in (Figure 1)

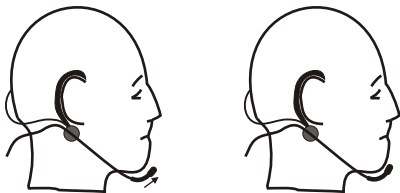


(Figure 1)

### How to Adjust Your Headworn Microphone?

(MU-53HN/MU-55HN/MU-53HNP)

After put on the headworn microphone as shown below, user can use adjustable steel tube ⑥ to adjust the gap between capsule and user's mouth if the gap is too large.



(Figure 2)

### Specification:

#### MU-53HN/MU-53HNP

- ▶ **Transducer type:** Electret condenser microphone capsule
- ▶ **Frequency Response:** 50 Hz to 18KHz
- ▶ **Directional Characteristic:** Cardioid
- ▶ **Sensitivity:** -46dB  $\pm$ 3dB at 1KHz ( 0dB = 1V/Pa)
- ▶ **Operating Voltage:** 1.1 ~ 9V
- ▶ **Weight:** 30g
- ▶ **Dimensions:** 11  $\phi$  x26.5mm
- ▶ **Connector option:** 3.5mm mono phone jack plug / Mini XLR connector / TA4F / 3.5mm screw-lock plug
- ▶ **Accessories:** windscreen

#### MU-55HN

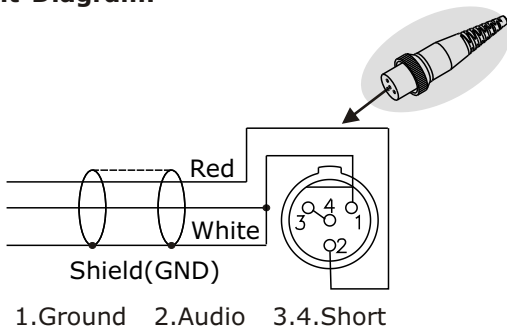
- ▶ **Transducer type:** Electret condenser microphone capsule
- ▶ **Frequency Response:** 50 Hz to 20KHz
- ▶ **Directional Characteristic:** Omnidirectional
- ▶ **Sensitivity:** -49dB  $\pm$ 3dB at 1KHz ( 0dB = 1V/Pa)
- ▶ **Operating Voltage:** 1.1 ~ 9V
- ▶ **Weight:** 25g
- ▶ **Dimensions:**  $\phi$  5x13mm
- ▶ **Connector option:** 3.5mm mono phone jack plug / Mini XLR connector / TA4F
- ▶ **Accessories:** windscreen

## Headworn Microphone

### MU-101/MU-101P

- ▶ **Transducer type:** Electret condenser microphone capsule
- ▶ **Frequency Response:** 50Hz to 18KHz
- ▶ **Directional Characteristic:** Cardioid
- ▶ **Sensitivity:** -49dB  $\pm$ 3dB at 1KHz ( 0dB = 1V/Pa)
- ▶ **Operating Voltage:** 1.1 ~ 9V
- ▶ **Weight:** 24g
- ▶ **Dimensions:** 11  $\phi$  x26.5mm
- ▶ **Connector option:** 3.5mm mono phone jack plug / Mini XLR connector / TA4F /3.5mm screw-lock plug
- ▶ **Accessories:** windscreen

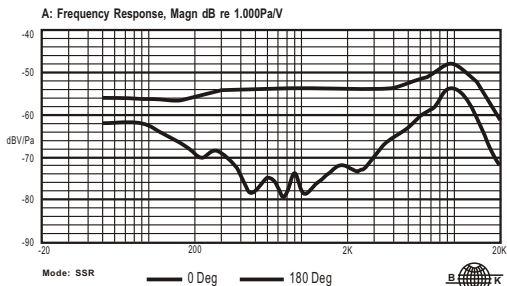
### Circuit Diagram:



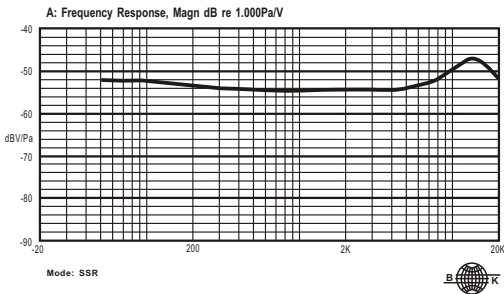


## Frequency Response Diagram:

### MU-53HN/MU-53HNP

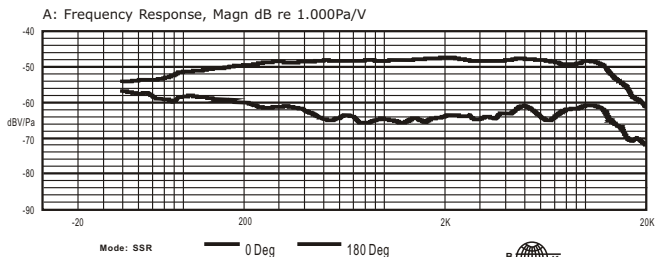


### MU-55HN



## Headworn Microphone

### MU-101/MU-101P



## FC & IC - ID

THIS DEVICE COMPLIES WITH PART 74 OF THE FCC RULES AND RSS-123 ISSUE 2 OF CANADA. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.