2/4 WIRE CONVERTER

User Manual
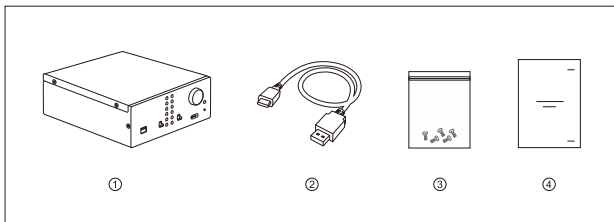
V1.0.0

Powered by Hollyland

FOREWORD

Thank you for purchasing Hollyland 2/4 Wire Converter. Please kindly read the user manual before using the product. Hope you have a pleasant experience.
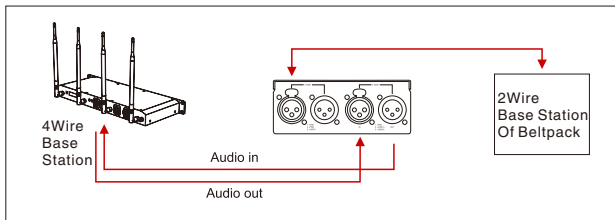
KEY FEATURES

- Quick to Eliminate Circuit Echo
- Bi-directional Call Signal Compatibility between 2 Wire and 4 Wire Systems
- Portable Gain Adjustment
- Peak Reading Level Meter
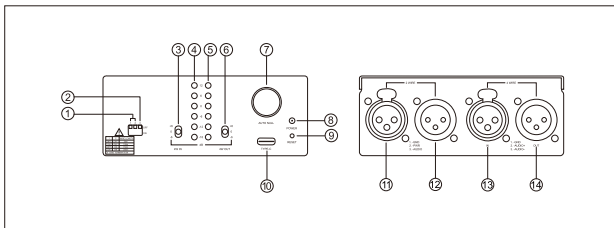- Industrial Metal Case, Stable and Reliable

①	②	③	④

① Converter   x1

② USB Type-C Cable   x1

③ Adapted Screw   x5

④ User Guide   x1

4Wire
Base
Station

2Wire
Base Station
Of Beltpack

Audio in
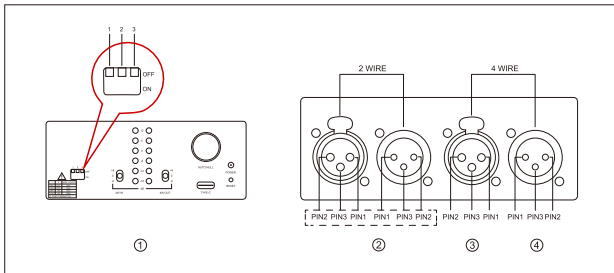
Audio out

① 2-Wire Total Wire Length Compensation Switch

② 2-Wire Terminal Resistor Switch

③ 4-Wire Input Gain Adjusting Switch

④ 4-Wire Input Real-time Level Display LED

⑤ 4-Wire Output Real-time Level LED

⑥ 4-Wire Output Gain Adjusting Switch

⑦ AUTO NULL Button

⑧ Power Indicator

⑨ Reset Button

⑩ USB Type-C Interface

⑪ 2-Wire Interface (3-pin XLR female)

⑫ 2-Wire Interface (3-pin XLR male)

⑬ 4-Wire Input Interface (3-pin XLR female)

⑭ 4-Wire Output Interface (3-pin XLR male)

① DIP Switch

1	2	2-Wire Bus Length
OFF	OFF	50m
ON	OFF	100m
OFF	ON	150m
ON	ON	200m

3：ON means 2-wire 220Ω terminal resistor is on, OFF means 2-wire 220Ω terminal resistor is off
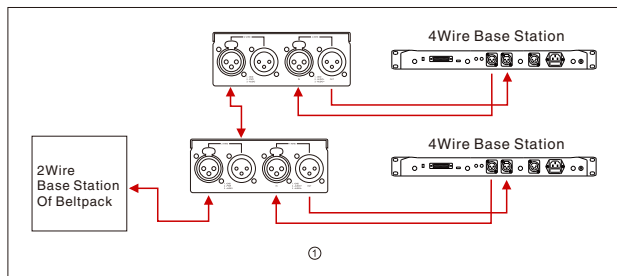
② 2 WIRE

PIN1　GND
PIN2　POWER
PIN3　AUDIO

③ 4 WIRE IN

PIN1　GND
PIN2　AUDIO IN +
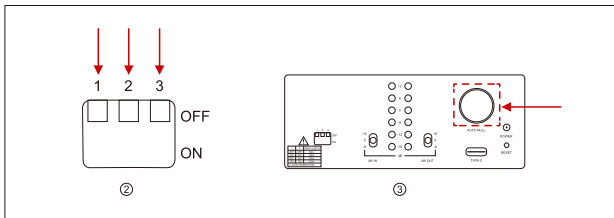PIN3　AUDIO IN -

④ 4 WIRE OUT

PIN1　GND
PIN2　AUDIO IN +
PIN3　AUDIO IN -

① Installation&Connection

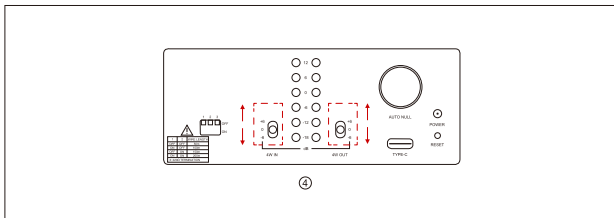   1.Connect the Party Line device and the 4-wire systems according to figure①.

② Compensation and Resistance Configurations

1.Confirm the total wire length of one parallel party line.

2.Based on the total wire length, select the related compensation.

3.Confirm if there is terminal resistor in the Party Line system.
If yes, set the terminal resistor to OFF.
If no, set it to ON.

③ NULL Operations

1.Turn off or disconnect the Microphone after powering on the 2 wire system.
The NULL accuracy will be impacted if there is other audio transmission exists in the same system.

2.Make sure the power indicator is ON.
Click the AUTO-NULL button, confirm the result of the operation referring to the color of the button:

- Cyan: Operation Not Done.
- Green: Operation Successfully
- Red: Operation Failed

④ Gain Adjustment Setting

1.Gain adjustment is available if the current gain does not meet the demand.

2.When the "4W IN" gain switch is adjusted to "+6", the volume at 2W
terminal increases by 6dB. When adjusted to "- 6", it will decreases by 6dB
(we recommended to adjust to "+6" when used with "Syscom 1000T").

3.When the gain switch of "4W out" is adjusted to "+ 6", the volume at
4W terminal increases by 6dB. When adjusted to "- 6", it will decrease by 6dB.

4.The current 4W input and output levels can be viewed through the level Meter.

PARAMETERS

	2/4 Wire Conveter	
Interface	3 Pin XLR Female 2-Wire Interface 3 Pin XLR Male 2-Wire Interface 3 Pin XLR Female 4-Wire Input Interface 3 Pin XLR Male 4-Wire Output Interface USB Type-C Interface	
Power Supply	12~36V 2-Wire DC Input	
2-Wire Output	Noise Matching Impedance Frequency Response Distortion Signal-to-Noise Ratio	<−68dBu 104~240Ω 100~5KHz±3dB <1% @1KHz ＞55dB @−12dBu
2-Wire Input	Maximum Uncompressed Level Input Impedance 2-Wire Input to 4-Wire Output Gain	≥6dBu >10KΩ 12dB±1dB
4-Wire Output	Noise Output Impedance Frequency Response Distortion Signal-to-Noise Ratio	<−60dBu ≥400Ω 100~5KHz±3dB <1% @1KHz ＞55dB @0dBu
4-Wire Input	Maximum Uncompressed Input Level Input Impedance 4-Wire Input to 2-Wire Output Gain	≥18dBu >10KΩ −12dB±1dB
Power Consumption	<1.5W	
Dimension	(L*W*H):109*120*43mm	
Weight	Around 520g	
Working Temperature	-20~+60℃ (Working Status)	

FAE

If encounter any problems in using the product or need any help, please follow these ways to get more technical support:

Hollyland Products User Group

HollylandTech

HollylandTech

sales@Hollyland-tech.com

www.hollyland-tech.com