INTERPRETER CONTROL UNIT
MODEL PL ICU 2^2
(2 INPUTS – 2 OUTPUTS)

INSTRUCTION MANUAL

Technical Data

Warranty Information

INTERPRETER CONTROL UNIT - MODEL PL ICU 2^2 – INSTRUCTION MANUAL

Congratulations on your purchase of the Interpreter Control Unit **PL ICU 2^2,** the new standard in high-quality, easy-to-use simultaneous interpretation technology!

The Interpreter Control Unit **PL ICU 2^2** is designed to allow two interpreters to work together in the management of audio in a bi-directional interpretation setup.

Two inputs and two outputs combine to allow for the combination of multiple Interpreter Control Units **PL ICU 2^2**, making possible interpretation from one language into an unlimited number of other languages without the need for additional equipment.

Multiple-language relay (i.e. interpretation not just from one language into many others, but also back into the original language) is also possible, but does require the use of additional equipment, such as a basic multi-channel audio mixer.

Interpreters listen to the program (OR – Original) directly from the audio feed or in relay use from the REL (REL – Relay) input. Interpreters select the language channel output (ENGLISH or FOREIGN).

Additional functions, such as individual interpreter headset volume control, input selection (OR or REL), and a cough button are provided for the interpreter.

The audio technician in charge of the installation and maintenance of the unit will find multiple features and functionalities, allowing full control over the management of all audio levels for both incoming and outgoing audio for a balanced listening experience for all.

This commercial level control of all incoming and outgoing audio levels without the need for additional mixers or amplifiers allows the unit to be connected directly to any audio processor, such as a language distribution system (not included).

Your Interpreter Control Unit **PL ICU 2^2** will provide many years of reliable operation. Please read and these instructions PL ICUrefully.
Contact ProLingo anytime at 407-658-2040 or info@ProLingo.com if you need additional assistance or contact your dealer.

INTERPRETER CONTROL UNIT - MODEL PL ICU 2^2 – INSTRUCTION MANUAL

CONTACT INFORMATION

If you have any questions regarding your equipment, or to order accessories, or to obtain warranty service, please contact your dealer directly or contact ProLingo:

ProLingo Interpretation
5079 Forsyth Commerce Road
Orlando, FL 32807
Main Telephone: 407-658-2040
Main Fax: 407-658-9433
info@ProLingo.com
www.ProLingo.com

IMPORTANT SAFETY INFORMATION

Caution!

1. Read all instructions carefully. Improper operation can cause physical harm, damage to the product, and will void your warranty.

2. To prevent fire or electrical shock, do not expose the product or the power supply unit to rain, water, or moisture. If product gets wet accidentally, call ProLingo or your dealer for service.

3. There are no user-serviceable parts. Do not open the product or the power supply. Doing so can cause physical harm, damage to the product, and will void your warranty. Call ProLingo or your dealer for service.

4. Use a damp cloth for cleaning. Do not use liquid, aerosol, or abrasive cleaning products.

5. Always secure the product on a sturdy surface.

6. Always ensure proper ventilation on all sides of the product.

7. Place the product away from heat sources at all times.

8. Keep children and pets away from this product.

9. Only use the power supply supplied with the product or a compatible power supply. If you are unsure, please contact ProLingo or your dealer for service.

10. This product is designed to amplify sounds to a high volume, which could potentially cause hearing damage if used improperly. In order to avoid damage to your hearing, ensure to always start operation with the lowest possible volume selected and then move up slowly to the appropriate level.

OVERVIEW OF FUNCTIONS – FRONT PANEL

Top View

1. FOREIGN-ENGLISH SWITCH: Selects outgoing channel. Indicator lights indicate the selection. This switch selects between outputs OUT A and OUT B on the rear panel: OUT A corresponds to FOREIGN. OUT B corresponds to ENGLISH.

2. OR-REL SWITCHES: Selects listening channel for each interpreter. OR is for the original program feed and REL is for relay from another Interpreter Control Unit.

3. LEVEL CONTROL KNOBS: Select audio volume level for each interpreter.

4. MIC 1 / MIC 2 BUTTONS: Turns on or off each interpreter's microphone. Indicator lights illuminate when each microphone is active. Both microphones can be in use simultaneously, e.g. when a conversation is interpreted. When both mics are OFF, and the PASS-THROUGH ON/OFF selector on the rear panel is ON, the original program feed passes through directly to the transmitter and receivers.

5. MIC MUTE BUTTON: Mutes both microphones temporarily, only while depressed. Also known as a "cough button."

OVERVIEW OF FUNCTIONS – REAR PANEL
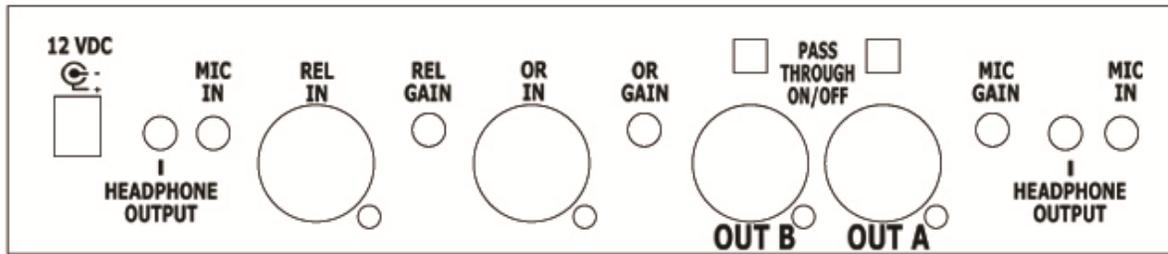
1. 12 VDC: Connection for external power supply.

2. HEADPHONE OUTPUT: Connections for both interpreter headphones. 3.5mm jacks.

3. MIC IN: Microphone inputs for both interpreter microphones. 3.5mm jacks.

4. REL IN: Connection for relay input in relay mode (additional Interpreter Control Units and other additional equipment required). XLR female jack.

5. REL GAIN: Controls the volume of the audio of the relay input for both headphones.

6. OR IN: Connection for original audio source ("floor feed"). XLR female jack.

7. OR GAIN: Controls the volume of the audio of the original audio source for both headphones.

8. OUT A/B: Outputs to transmitters or to additional Interpreter Control Units. XLR male jacks. These outputs correspond to the outgoing language selector on the top: OUT A corresponds to FOREIGN. OUT B corresponds to ENGLISH.

9. PASS-THROUGH ON/OFF: Turn on/off pass-through function for output A or B, respectively. When ON, original sound source or program feed is passed through to the transmitter(s) when both interpreter microphones are turned off. When OFF, original sound does not pass through. In most situations, this function should be ON so that music, video, etc. will be delivered to the audience when interpreters are not talking.

STAND-ALONE OPERATION WITH ONE INTERPRETED LANGUAGE

The following instructions describe the first setup steps for using the Interpreter Control Unit **PL ICU 2**^{2} in the most basic scenario – interpretation from one language (most often English) into one foreign language. Additional options are described in the following pages.

1. Plug the cord from the external power supply into the power connector (labeled 12 VDC) on the rear panel of the Interpreter Control Unit and plug the AC cord into an AC power outlet. A surge protector is recommended for protection of the equipment. The unit is now turned on, and the indicator lights on the top should illuminate at this time.

2. Plug one or both interpreter microphone(s) into the MIC IN jack(s) on the rear panel. The connector is a 3.5mm jack (aka a "mini jack"). Use an adapter if your microphone does not fit. The unit works best with condenser microphones, but can handle all types of microphones.

3. Make sure the headphone volume knob(s) are turned all the way down, and then plug in one or both interpreter headphone(s) into the HEADPHONE OUTPUT jack(s) on the rear panel. The connector is a 3.5 mm jack (aka a "mini jack"). Use an adapter if your headphone does not fit.

TIP: HEADHPONE/MICROPHONE COMBINATION HEADSETS (SOLD SEPARATELY) WORK BEST AND ARE PREFERRED BY MOST INTERPRETERS.

4. Connect your original audio source, i.e. the floor feed, into the OR IN input on the rear panel. The connector is XLR female. Use an adapter if your sound system or mixer does not use XLR-style connectors. It is now possible to adjust the incoming volume using the OR IN selector on the rear panel. Ideally, listen on the headphone, with the headphone volume control knob in a medium position and then adjust the OR IN selector so that the volume is loud enough, but not too loud, which could cause distortion. That way, each interpreter has plenty of room to increase the individual volume controls based on personal preference.

5. Connect a transmitter or other language distribution device (sold separately) to output A. The connector is XLR male. Use an adapter if your transmitter does not use XLR-style connectors. Select the FOREIGN switch on the front and turn on a microphone. It is now possible to adjust the outgoing microphone volume using the MIC GAIN selector on the rear panel. Ideally, listen on a receiver (sold separately), with the transmitter tuned to the proper frequency, with the receiver volume in a medium position. Then adjust the MIC GAIN selector so that the volume is loud enough, but not too loud, which could cause distortion. That way, each attendee with a receiver has plenty of room to increase his or her individual volume based on personal preference.

BI-DIRECTIONAL OPERATION WITH TWO INTERPRETED LANGUAGES

At this time, you are operating the Interpreter Control Unit **PL ICU 2^2** in the most basic way – interpretation from one source language into one foreign language.

Using only one Interpreter Control Unit, you can add an additional transmitter (sold separately) and thus provide bi-directional interpretation on two channels. For example, interpretation not only from English into a foreign language, but also from the foreign language back into English is possible.

Simply connect a second transmitter to the output OUT B via XLR-style connectors. OUT B corresponds to the ENGLISH selector on the front. The interpreters can now decide into which language they interpret at any given time. For example, if English is spoken on the floor, interpreters interpret from English to the foreign language and select FOREIGN. Their interpretation goes out on output OUT A, which is transmitted on the first selected frequency. Foreign-language listeners tune into that frequency on their receivers.

If the floor language changes to the foreign language, then the interpreters now interpret from the foreign language into English. Therefore, they select ENGLISH. Their interpretation now goes out on output OUT B, which is transmitted on the second selected frequency. English listeners tune into that frequency on their receivers.

MULTIPLE LANGUAGES FROM ONE SOURCE LANGUAGE WITHOUT RELAY

If interpretation back into the source language is not required, but interpretation into multiple foreign languages is required, the combination of multiple Interpreter Control Units **PL ICU 2^2** is ideal.

Using additional Interpreter Control Units and additional transmitters, it is possible to provide interpretation from one floor language (e.g. English) into an unlimited number of foreign languages by "daisy-chaining" multiple Interpreter Control Units.

Simply use an XLR PL ICUble (sold separately) to provide a sound feed from the first Interpreter Control Unit to the next one by connecting the XLR PL ICUble to output OUT B of the first unit and then into the input OR IN of the second unit. Basically, the first unit functions as the audio feed for the second one. Connect transmitters to each subsequent unit, as described above for stand-alone operation.

Ensure that all interpreters have their listening selectors set to OR. Also ensure that all the pass-through selectors are ON (otherwise, no sound can be transferred from one unit to the next). Use the OR GAIN selectors on each unit to fine-tune the incoming sound levels of each Interpreter Control Unit.

You can continue this chain indefinitely.

MULTIPLE LANGUAGES WITH RELAY

Relay refers to a situation in which three or more languages are used in a meeting, and interpretation is required not just from the source language into two or more foreign languages, but also from one or more of the foreign languages back into the source language. This setup is possible using two or more Interpreter Control Units **PL ICU 2^2** in conjunction with a multi-channel audio mixer (sold separately).

Please ensure that you have an experienced audio technician at hand for this type of setup and then contact ProLingo or your dealer for personalized instructions.

CONTACT INFORMATION

If you have any questions regarding your equipment, or to order accessories, or to obtain warranty service, please contact your dealer directly or contact ProLingo:

ProLingo Interpretation

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TECHNICAL SPECIFICATIONS

Dimensions: 9" (22.9cm) width x 5.5" (14cm) depth x 2.6" (6.6cm) height

Weight: 2.4 lbs (1.09 kg)

Color: black housing; white faceplate, with orange and gray. Customizable faceplates available.

Power: External power supply, 12VDC, 120VAC, 60 Hz, 9W (included)

INPUTS

OR/REL In: 3-Pin XLR female jack, balanced or unbalanced line-level, Max 4 Vrms, Gain 0 dB, 10kΩ input impedance

3.5 mm Mic Inputs: Left and right, 3.5 mm TRS phone jack, unbalanced (T, S) for condenser mics, Max 22 mVrms, Gain 40 dB, Supplies DC power on tip, 12VDC, 1kΩ input impedance

OUTPUTS

A/B Out: 3-Pin XLR male jack, balanced or unbalanced line-level, 4 Max Vrms, 600 Ω source impedance

Headphones: 3.5 mm TRS phone jack, mono or stereo headphone 32 to 600 Ω, 50 mW at 32Ω load max

CONTROLS

Volume: Left and right, rotary, controls headset volume

Mic Switch: Left and right, 2-way toggle. Selects mic "on" or "off"

Mute Switch: Push button. Mutes both mics when pressed

Approvals: UL and CSA on adapter

Warranty: Lifetime warranty. See below for details.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

WARRANTY INFORMATION

ProLingo LIFETIME Limited Warranty
(Current Production Models. U.S.A. and PL ICUnada Only)

What the warranty covers:

ProLingo warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ProLingo will, at its sole option, repair or replace the product with a similar product. Replacement Product or parts may include remanufactured or refurbished parts or components. ProLingo provides no warranty for the third-party equipment included with the product or installed by the customer.

How long the warranty is effective:

1. ProLingo models purchased on or after April 1, 2007 are warranted lifetime for parts, CRT and labor. US only, 1 year outside of the US. All other ProLingo products are warranted for lifetime for parts, CRT and labor.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:

1. Any product on which the serial number has been defaced, modified or removed.

2. Damage, deterioration or malfunction resulting from:
    A. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
    B. Repair or attempted repair by anyone not authorized by ProLingo.
    C. Damage to or loss of any programs, data or removable storage media.
    D. Equipment or data loss occurring during repair or replacement.
    E. Any damage of the product due to shipment.
    F. Removal or installation of the product.
    G. Causes external to the product, such as electric power fluctuations or failure.
    H. Use of supplies or parts not meeting ProLingo's specifications.
    I. Normal wear and tear.
    J. Failure of owner to perform periodic product maintenance, such as failure to perform periodic cleaning of user-cleanable areas.
    K. Any other cause which does not relate to a product defect.

3. Removal, installation, and set-up service charges.

How to get service:

1. For information on obtaining warranty service, call your ProLingo dealer or ProLingo. ProLingo's Customer Support telephone numbers are: 800-287-9755 in the U.S. or Canada; From outside the U.S.: 407-658-2040

2. To obtain warranty service, you will be required to provide
   - A. The original dated sales slip.
   - B. Your name.
   - C. Your address.
   - D. The serial number and/or model number of the product.
   - E. A description of the problem.

3. Bring or ship the product prepaid in the original container, with the associated accessories, to ProLingo.

4. For additional information or the name of the nearest ProLingo service center, contact your ProLingo dealer or ProLingo.

Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

PROLINGO'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. PROLINGO SHALL NOT BE LIABLE FOR:

1. DAMAGE TO OTHER PROPERTY PL ICUUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of local law:

This warranty gives you specific legal rights, and you may also have other rights which vary from locality to locality. Some localities do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For ProLingo products sold outside the U.S. and Canada, contact your ProLingo dealer or ProLingo for warranty information and service.