PeopleLink AIO DSP Quick Start Guide

(English Version)

Please read this Manual before setting up PeopleLink AIO DSP and stick to its requirements strictly for Safety reason. Suggest you save this manual for furtherinquiries reference.

Table of Contents:

1. Important safety instructions

Before using your AIO-DSP Series, be sure to carefully read the applicable itemsof this Operation Manual and the Safety Instructions.

- Read these instructions.
- Keep these instructions
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers,stoves, or other apparatus (including amplifiers) that produce heat
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for longperiods of time.
- Refer all servicing to qualified service personnel. Servicing is required whenthe apparatus has been damaged in any way, such as power-supply cord orplug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Before you start the device kindly check Proper earth grounding to avoidelectrical interference.

2. Warnings

- To reduce risk of fire or electric shock, do not expose this apparatus to rain ormoisture.
- Apparatus must be connected to a mains socket outlet with a protectiveearthing connection.
- The mains plug is used as a disconnect device and shall remain readilyoperable.
- To prevent electric shock do not remove top or bottom covers. No user serviceable parts inside. Refer servicing to qualified service personnel.
- Check the voltage in your area and use the correct type of mains connector.
- Do not install this device in a confined space.

3. User responsibility

Mains connection grounding

Your amplifier must be connected to a grounded socket outlet.

Speaker output hazard

- In Class-D amplifier Make sure when you are going to connecting the Speakercable do not short (+)&(-) terminals
- External wiring connected to the speaker terminals shall be installed by a qualified person, or ready-made leads or cords of appropriate capacity shallbe used
- As the amplifier outputs produce respective voltage, do not connect or disconnect speaker cables when the mains power is on.

Maintenance

For safe and reliable operation, any dust collected in the front panel should be removed regularly. In rare circumstances, accumulated dust could ignite due tohigh internal temperatures and cause a fire. If the front is clogged so that air cannot pass, then the unit will eventually go into thermal protection; any resultant problems will not be covered by the warranty.

Introduction:

Welcome

- Thank you for choosing a AIO-DSP-200Watts from PeopleLink this product built around the IntelliDrive Energy Efficient Amplifier.
- Please read through this manual in its entirety to become fully acquaintedwith configuration options and protection circuitry.
- AIO-DSP are designed and built specifically for the unique demands of permanent installation applications into 1.5U chassis,

Unpacking and visual checks

Every AIO-DSP amplifier is carefully tested and inspected before leaving the factory and should arrive in perfect condition. If any damage is discovered, please notify the shipping carrier immediately. Save the packing materials forthe carrier's inspection and for any future shipping.

Mounting

The AIO-DSP amplifier is one rack unit high (1.5U) and will fit into a standard 19"rack.Free airflow from front of the amplifier must be allowed

Operating voltage

The AIO-DSP Amplifiers have SMPS power supply Power Supply Safety: SwitchMode Power Supply Unit. Overload And Overvoltage Protection that
accept input voltage as 230 V and 50 Hz,
Once a suitable AC supply is connected, the amplifier will be start
When the amplifier is turned on the below logo "power" LED becomes Blue toindicate that the amplifier is on.

Grounding

Always connected with 3 pin Mains cord with proper grounding to avoidbalanced
input hum and interference

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Product Images

Front Side

Back Side

Lapel Microphone

Handheld Mic

50W Speakers

50W Speakers

Connectivity Diagram

Audio source AUX In

Audio out for Amplifier

UHF wireless antenna

Chassis ground

LINE-IN   LINE -OUT   SPEAKERS   MIC-IN UNBALANCED   MIC-GAIN   BALANCED-MIC 1 IN   MIC-GAIN   BALANCED-MIC 1 IN   MIC-GAIN   RS-232   AC IN -220V

Un balanced mic Gain

Balanced mic-2 gain

Balanced mic-2 gain

RS-232 controlling port

AC-230V INPUT WITHDUAL FUSE

Power on/off switch
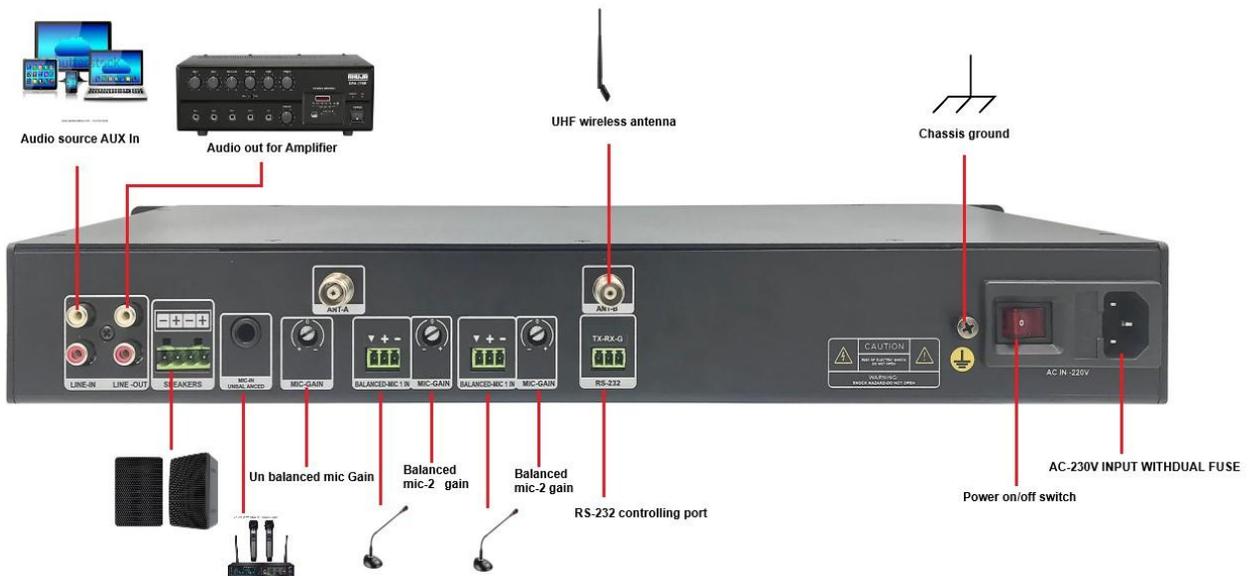
PeopleLink All In One DSP 200W

PeopleLink DSP is the ultimate choice for High Definition Audio signal processor. The most powerful HD audio available, it delivers full continuous presence meetings with Multi Location Voice conferencing over its 4 inputs and 2 output DSP, ideal for local sound reinforcement. Highly scalable and flexible - PeopleLink's Multichannel Console DSP provides HD voice communications platform. This powerful, fault tolerant solution is ideal for the communication needs of large enterprises as well as Service providers looking to offer video conferencing services. Advanced design - This is the most powerful and up to date microphone Mixer, DSP and Amplifier available in the Industry today. It is Compact, Simple and extremely User-friendly allowing you to do Large scale Video Conferencing from a compact audio System.

Product Features

Range	: Wide operating range of 100 feet
Power Supply Safety	: Power Supply Unit with Short Circuit, Overload and Over Voltage Protection
SMT SMT Circuit	: Surface Mount Technology (SMT) Circuit
Efficiency	: High efficiency of ~90%
Current	: Very low quiescent current. Can run on inverter.
Circuit	: Technology (SMT) Circuit Integrated Self-Protection Surface Mount
Frequency lock	: Quartz-locked frequency
Area of application	: Classrooms, Training
Rooms**Capacity**	: 40 to 60 seater
Chassis	: 19-Inch chassis 1.5U (Rack Mountable) DSP with Inbuilt amplifier withwireless microphone System

Applications of Multi Channel Console DSP

● Area of Application: Classroom, Training room, and small auditorium

● Capacity: 40 to 60 persons

Wireless Microphone System

Frequency type	: Quartz locked frequency
Operating Range	: 100 Feet
Microphone Options	: 2 x Handheld/ 1 Handheld +1 headband / 2 x headband Mic
Frequencies	: 5 non interfering frequencies available
Antennas	: Soft, Flexible rubberized antennas
Output	: Balanced Phoenix and Mixed Unbalanced 1/4" Outputs
LCD Display	: Frequency, Group, Antenna & Channel is displayed on the LCD in the receiver
Gain Control	: Separate gain controls for both the channels
Microphone Frequency Response	: 80 Hz-18KHz
Microphone Type	: UHF

Amplifier

Power output @ 8 ohms	: 2 X100W, Vcc= 24V DC
Minimum impedance	: 8 ohms @50W
Frequency response	: 20 Hz-20,000Hz
Operating supply voltage	: 8 V to 24 V
Type	: Class D (Digital)

Digital Signal Processor

Frequency Range	: 30 Hz. to 16 KHz.
Automatic Echo Cancellation	: Yes
Automatic Gain Control	: Yes
Dynamic Noise Reduction	: Yes
Noise Suppression	: Yes
Full Duplex	: Yes

Interface

Input	: Built-In 1 x Handheld, 1 x Headband Microphone
Unbalanced MIC input	: 1x 6.5mm Phono jack with gain controller
Balanced 48v/12v phantom MIC inputs	: 2x Phoenix ports with separate gain controller
Line input	: 1 x 2RCA
Line Output	: 1 x 2RCA
USB Interface for PC Connectivity	: 1 x USB 2.0
RS-232 for controlling	: 1x RS-232 audio controlling

Miscellaneous

Power Supply Unit (PSU) : Power Supply Unit with Short Circuit, Overload and Over Voltage Protection

Application : Classrooms, Training Rooms

Capacity : 40 to 60 Seater

Shape of the room : Any

Packaging Information

Components : 19 inch chassis 1.5U (Rack Mountable) with Inbuilt DSP

Package Includes : Inbuilt Package Includes PeopleLink Multi Channel Console DSP with built-in Amplifier, Wireless Handheld Microphone, Wireless Headband Microphone, USB 2.0x1, Cable, Stereo to Microphone, 2 RCA Cable x2, 50W Speakers x2

Front Side

Headband Microphone

Back Side

Handheld Microphone

50W Speakers

Ordering Information

Part code : PPU-MCC-DSP-AIO-200W