

User Manual

The HS-DWAM80/PNP module is the wireless audio transceiver module. The module holds the radio transceiver IC, the DARR80 digital audio baseband processor and associated components and circuitry .

The HS-DWAM80/PNP platform can host many different applications ,requiring different external components ,as a frame of reference ,for a simple stereo uni-directional audio link ,need to external components are required.

Basic Features:

- Low latency (configurable from 10.....18ms)
- In-room or multi-room usage (point to multi-point is also supported)
- Bi-directional data channel
- Automatic frequency allocation
- Automatically controlled transmitter / receiver antenna spatial diversity minimizes fading and multipath effects.

Pairing function :

all units in the same wireless audio network are provided with a 16bit network ID,shielding the network from neighbor audio networks.

The HS-DWAM80/PNP is used for both the transmitter and receiver .The module is configured either through the I2C interface ,through the EEPROM or through the optional microcontroller.

Labeling:

if the FCC / IC identification number is not visible when the module is installed inside the host device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.This exterior label can use wording such as the following:
"Contains FCC ID:XCO-HSMPNP80 and IC:7756A-HSMPNP80."
Any similar wording that expresses the same meaning may be used.

REMINDING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The transmitter of this device has been designed to operate with the attached antennas, and having a maximum gain of 1.5dBi. Antennas not identical as that or having a gain greater than 1.5dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication

MPE Reminding

1. The installed antennas must not be located in a manner that allows exposure of the general population at a distance of less than 20cm.
2. Mount the antennas in a manner that prevents any personnel from entering the area within 20cm from the central position of the antenna.