INSTALLATION INSTRUCTIONS

MicroComm DXL

HSK-136 Headset Kit

1 Intent & Scope

This document describes the installation procedures for the HSK-136 Headset kit.

2 Description

The Headset kit provides a panel mount jack to be connected to the an MAI-625 Master Audio Interface. The kit also allows a PTT footswitch (not included) to be connected to the master station. The kit comes complete with the following items:

- panel mount headset jack with 12″ pigtail leads.
- surface mount RJ-25 modular jack with adhesive pad and two mounting screws.
- seven foot 6P6C modular line cord with RJ-25 plug on either end.

A headset with 2.5mm “Universal” connected audio plug is required to complete the audio connection to the MAI-625 master station.

3 Installation Procedure

3.1 Panel Preparation

1. Drill or punch the mounting hole as indicated on the drawing below.

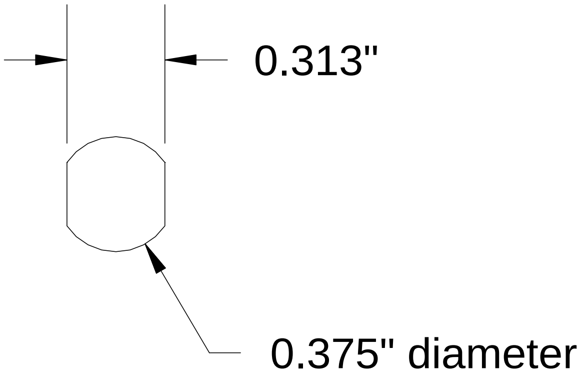

Figure 1 HSK-136 Handset Hanger Panel Cut-out

3.2 Headset Jack Mounting

1. Feed the pigtail leads through the mounting hole and press the jack into place.

2. If a round hole was used you may want to use a small amount of epoxy or silicone adhesive to secure the jack in place and prevent it from being rotated.

3.3 Junction Box Wiring and Installation

The headset jack leads should be connected to the RJ-25 junction box as follows.

1. Locate a position for the RJ-25 surface mount junction box within reach of the headset jack leads. Use the adhesive pad on the junction box and press it into place. Alternatively you can use the two screws provided to mount the unit. (Note the screws that are supplied with the RJ-25 jack are meant to screw into a wood surface.)
2. A common configuration of the surface mount RJ-25 is shown in the following diagram. The colors indicated are the colors of the wires that run from the screw terminals to the RJ-25 female jack.

Note: the wire color indicates which RJ-25 pin is connected to that wire, not the terminal position. If there is any question then check continuity with an ohmmeter. Different manufacturers use different conventions for the internal wiring of the junction box.

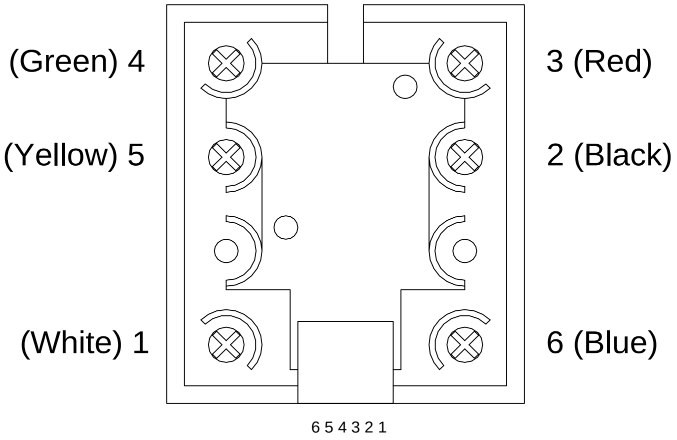

Figure 2 Surface Mount RJ-25 Junction Box – Cover Removed

The following table shows how the various leads are to be connected to the junction box.

RJ-25 Pins	RJ-25 Wire Color	Signal	Wire Colors of Pigtail Leads
1	White	Mic +	Red
2	Black	Push to Talk (PTT+)	(PTT+)
3	Red	Spk +	Green
4	Green	Spk -	Black
5	Yellow	Jackswitch (JKSW+)	not used
6	Blue	Mic -, (PTT-), (JKSW-)	Grey, (PTT-)

Table 1 RJ-25 Wiring

Note that up to three wires are connected to the terminal with the RJ-25 blue wire, one or two leads and the wire from the RJ-25 jack. The wire colors for the optional user supplied PTT footswitch are not known so they are shown as signal names in brackets in the table above.

The 6-pin female RJ-25 jack and its pin numbers is shown in the following diagram.

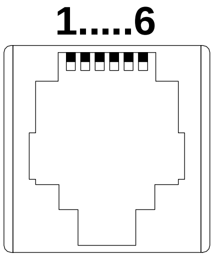

Figure 3 RJ-25 Female Jack

A seven foot RJ-25 patch cable is supplied with the HSK-136 and connects the surface mount RJ-25 wall jack and the RJ-25 jack located on the DXL master station (MAI-625).

3.4 Headset Jack

The headset, purchased separately (Harding Instruments HEA-120 for example), should be equipped with a 2.5mm audio plug wired in the following manner.

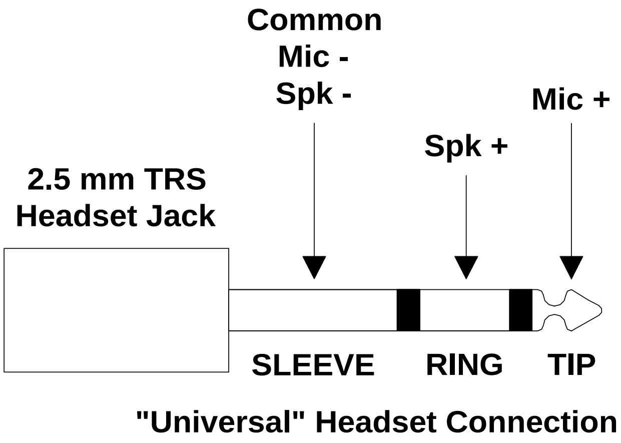

Figure 4 Headset Plug Connection