



# INSTALLATION INSTRUCTIONS

## MicroComm DXI

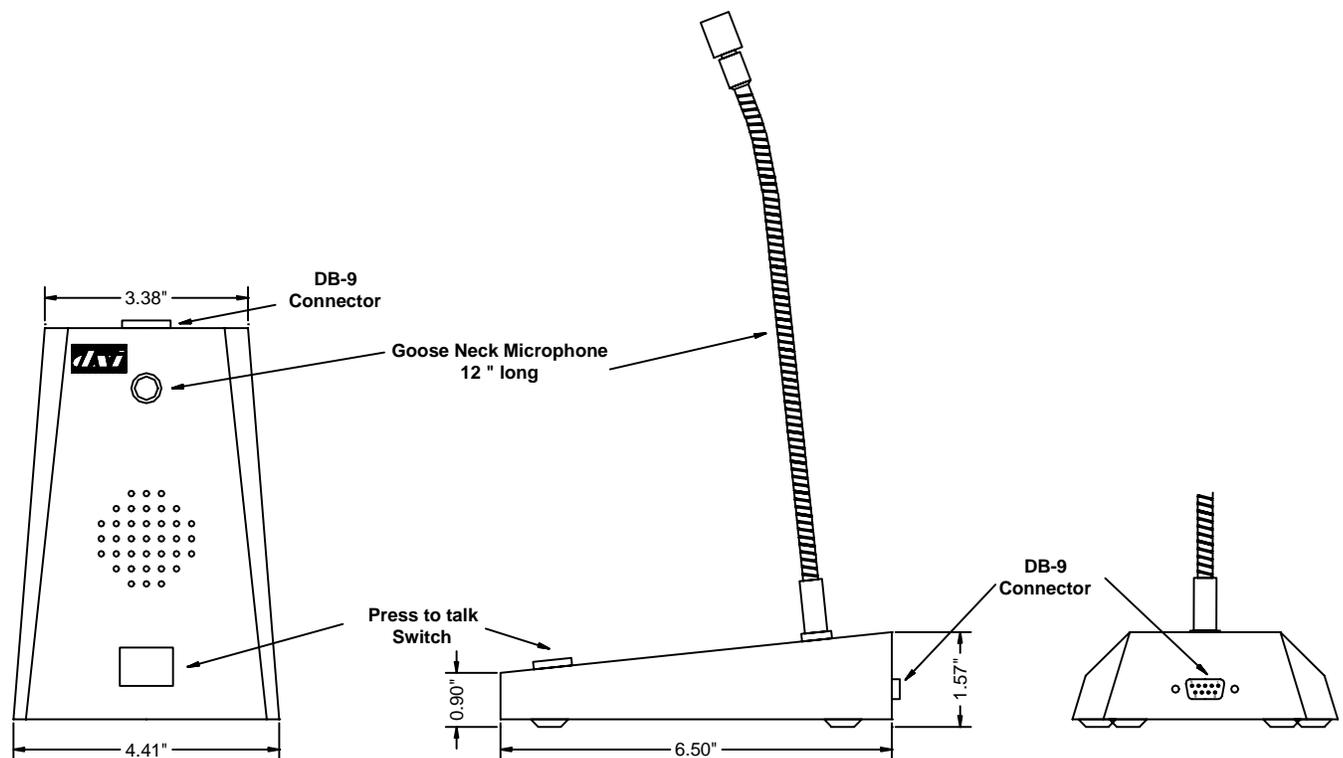
### DSM-140 Desktop Speaker Microphone

#### 1. Intent & Scope

This document describes the installation procedure for the DSM-140 Desktop Speaker Microphone

#### 2. Description

The DSM-140 Desktop Speaker Microphone is a desktop unit consisting of a push-to-talk (PTT) switch, speaker and gooseneck electret microphone. The unit is compatible with either the MAI-125 or MAI-425 Master Audio Interface and connects via a cable with a DB-9 female connector on the DSM-140 end. The microphone and speaker pairs are terminated at the MAI with a 4-pin MTA-100 connector. This connector is inserted into the header labeled SPKR/MIC. The PTT switch pair can be terminated at the MAI in several different locations.

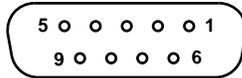


**DSM-140 Showing DB-9 Connector**

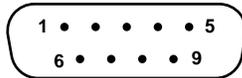
## DSM-140 Desktop Speaker Microphone

### 3. Installation

The DSM-140 has a DB-9 male connector and mates with a cable using a female DB-9 connector and back shell provided with the DSM-140.



**Female DB-9 Connector**



**Male DB-9 Connector**

The pins are labeled as follows:

DB-9 Pin Number	Function
1	Microphone +
2	Speaker +
3	PTT switch +
4	LED output (24 Vdc) optional
5	Earth Ground
6	Microphone -
7	Speaker -
8	Gnd
9	Earth Ground

The speaker and microphone pairs terminate to the MAI/425/125 with a 4-pin MTA-100 connector. This connector inserts into the 4-pin header labeled SPKR/MIC on the MAI-125/425.

The wiring connections between the DB-9 connector and 4-pin MTA connector are given in the following table:

DB-9 Pin Number	Function	4-Pin MTA-100 Pin Numbers SPKR/MIC
1	Microphone +	4
2	Speaker +	1
3	PTT switch +	
4	LED output (24 Vdc) optional	
5	Earth Ground	
6	Microphone - (Gnd)	3
7	Speaker -	2
8	Gnd	
9	Earth Ground	

## DSM-140 Desktop Speaker Microphone

The PTT switch can be connected to one of several inputs on the MAI. The possible connections are listed below:

DB-9 Pin Number	Function	DB-25 Connector Pin Number	Handset Connector	Headset Connector
1	Microphone +			
2	Speaker +			
3	PTT switch +	19	3	3
4	LED output (24 Vdc) optional			
5	Earth Ground			
6	Microphone – (Gnd)			
7	Speaker –			
8	Gnd	2 or 15	4	4
9	Earth Ground			

If the handset or headset is not used then a 2-pin MTA-100 connector is available to connect the PTT switch to either the headset or handset header.

The DB-9 pins 5 and 9 are labeled Earth Grounds and should be connected to an external Earth Ground connection