MODEL 712 - USB SOUNDCARD DIGITAL MODE ADAPTER CABLE
INSTRUCTION MANUAL

GENERAL
The model 712 adapter cable is a soundcard USB device that allows direct connection of the AUX I/O, ACC 1, or AUX 1 jacks on the Omni VII, Orion/Orion II, Argonaut V and some Jupiter HF transceivers to an open USB port for digital mode use. (Please see the section below about use with the Jupiter transceiver). This "plug and play" cable, which includes a soundcard device built in, eliminates the need for other connections between the jack on your Ten-Tec HF transceiver and your computer soundcard for operating digital modes. Computers with a USB port but no soundcard can also be used for digital mode operation with this cable. Plug one end of the cable into an open USB port, the other into the appropriate jack on the transceiver and use your favorite digital mode software to start operating.

INSTALLATION
- Plug the USB end of the cable into an open USB port on your PC
- Omni VII or Jupiter plug the 5 pin DIN connector into the jack marked ACC 1
- Argonaut V, plug the 5 pin DIN connector into the jack marked AUX 1
- Orion/Orion II, plug the 5 pin DIN connector into the jack marked AUX I/O
- Windows will automatically recognize the cable as a soundcard device after installation

USE
The input source on your transceiver must be set so the radio recognizes audio input from the 712 cable into the rear panel connector.
- Jupiter and Omni VII, set menu item AUDIO SOURCE to LINE
- Orion/Orion II, set SSB menu item TX AUDIO SOURCE to LINE
- Argonaut V does not require any items to be changed or set
- Please note you will be unable to use your microphone for SSB communications until these are changed to MIC.
- Consult your transceiver operation manual for further information.

Your favorite digital mode software can now be used with the model 712 and your Ten-Tec HF transceiver.

Input levels to the transceiver for transmitting in digital modes are controlled by the Volume slider in Windows. Additionally, the Omni VII and Orion/Orion II have input line gain controls that can be adjusted if needed. Omni VII menu item LINE GAIN and Orion/Orion II menu item LINE OUT LEVEL (found in the Other menu) are used for this purpose.

Note that input and output levels vary among the transceivers and that every computer installation is different. Settings for one transceiver and computer may need to be adjusted if either a different transceiver or computer is put into use.

NOTE ON USE WITH JUPITER HF TRANSCEIVER
The earlier version of the Jupiter with the gray case and green screen is not usable with the 712 as a plug-and-play device. The later black case/blue screen Jupiter can be used as-is with 712. There is too much gain internal to the transceiver on the line input which makes use of the 712 problematic with the earlier Jupiter. There is a small hardware modification to the earlier Jupiter which will allow use of the 712 as a plug-and-play device; contact Ten-Tec Service at (865) 428-0364 or service@tentec.com for information.