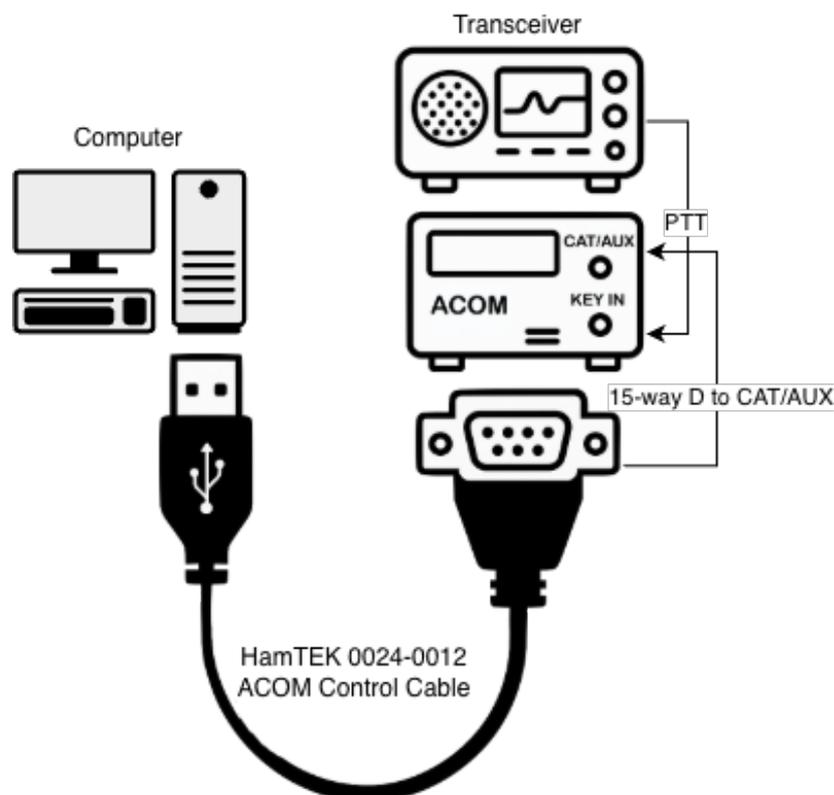


Thank you for purchasing HamTEK products. This guide describes how to use the 0024-0012 ACOM amplifier control lead and runs through configuring control software (Thetis) and an ACOM 1200S linear amplifier to communicate. When configured correctly the ACOM amplifier will automatically switch operating bands. The control cable consists of a USB type A plug to connect to a computer and a 15-way D type mail plug to connect to the ACOM amplifier CAT/AUX port.

Cable Connections



The USB plug on the 0024-0012 control cable must plug into a free USB port on the computer. A Serial COM port will be enumerated on the computer. The control software must be configured to use this COM port with 8N1 and the same Baud rate as set in the ACOM amplifier. A recommended/tested configuration using Thetis software is shown below, although any control software can be used on any computer (Mac/Linux/Windows). **Please note that a separate PTT connection is required** from the transceiver to the ACOM amplifier. A suitable PTT lead may be available from the HamTEK Website <https://hamtek.co.uk>.

Configuring the ACOM Amplifier

Configure the ACOM according the ACOM user manual (currently page 22 of the ACOM1200S user manual) to a Kenwood TS-480 and select the same baud rate as used in the Thetis software.



Fig. 5-3 Menu "Selection of CAT/AUX interface" – CAT/AUX SETTINGS

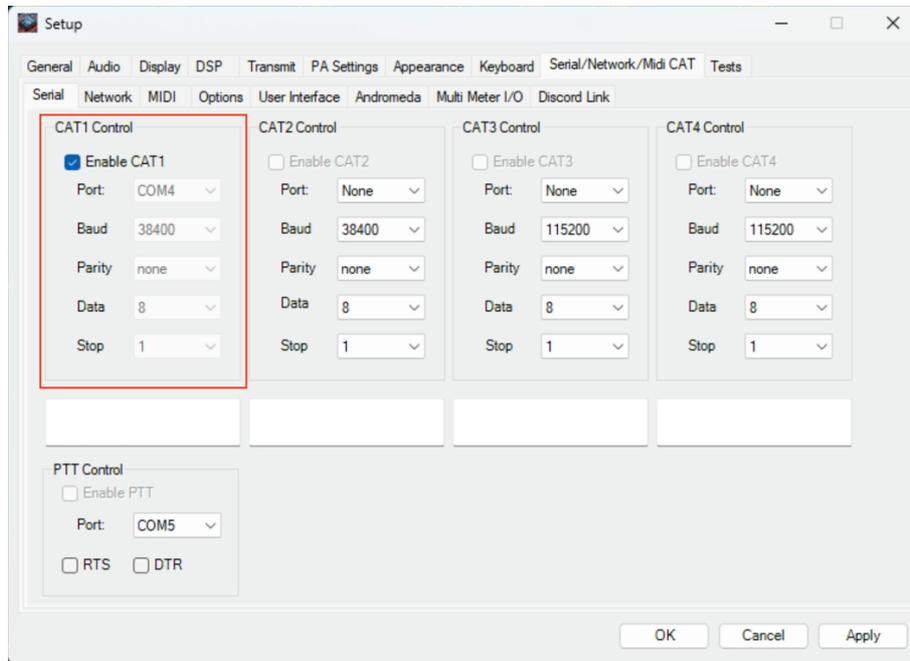
Table 5-1

TRANSCEIVER	INTERFACE	COMM SET
ELECRAFT	RS232	5
ICOM (Connection to the REMOTE jack)	TTL	1
ICOM (Connection to the RS232 port or CT17)	RS232	1
KENWOOD TS-2000, 480, 590, 990 and similar	RS232	5
YAESU FT-450, 950, 991, 1200, 2000, 3000, 5000, 9000 and similar	RS232	2
YAESU FT-1000MP	RS232	4
YAESU FT-817, 857, 897	TTL	3

Configuring Thetis SDR Software

Setup - Serial/Network/Midi CAT – Serial

Set the CAT1 Port number to the COM port enumerated when connecting the 0024-0012 cable to the PC USB port. Set the baud rate to 38400 (38400 recommended but it must be the same baud rate as the ACOM amplifier), then check the Enable CAT1.



Setup - Serial/Network/Midi CAT – Options

Set the ID as a TS-480

