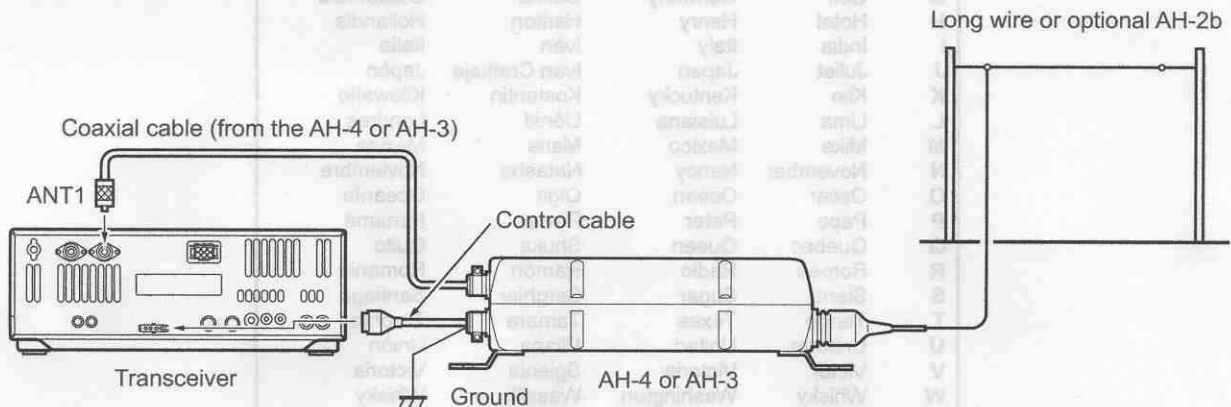


■ External antenna tuner connection

CONNECTING THE AH-4/AH-3

/// The AH-4 or AH-3 must be connected to [ANT1].

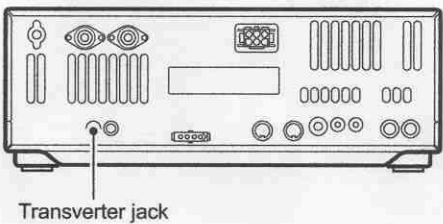


■ Transverter jack information

When 2 to 13.8 V is applied to pin 6 of [ACC(2)], the [XVERT] jack is activated for transverter operation and the antenna connectors do not receive or transmit any signals. (p. 20)

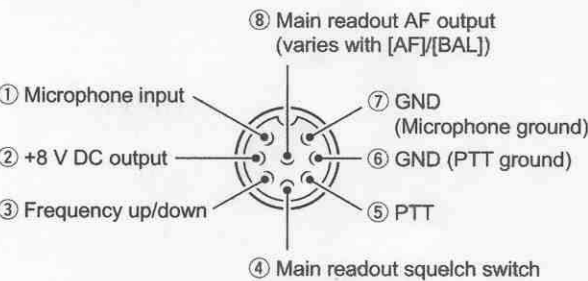
While receiving, the [XVERT] jack can be activated as an input terminal from an external transverter.

While transmitting, the [XVERT] jack outputs signals of the displayed frequency at -20 dBm (22 mV) as signals for the external transverter.



■ Microphone connector information

(Front panel view)





[MIC] Pin No.	FUNCTION	DESCRIPTION
②	+8 V DC output	Max. 10 mA
③	Frequency up	Ground
	Frequency down	Ground through 470 Ω
④	Squelch open	"Low" level
	Squelch closed	"High" level


/// **CAUTION:** DO NOT short pin 2 to ground as this can damage the internal 8 V regulator.

/// **NOTE:** DC voltage is applied to pin 1 for microphone operation. Take care when using a non-Icom microphone.

■ Accessory connector information

ACC (1)	PIN No.	NAME	DESCRIPTION	SPECIFICATIONS
 Rear panel view	1	RTTY	Controls RTTY keying	"High" level : More than 2.4 V "Low" level : Less than 0.6 V Output current : Less than 2 mA
	2	GND	Connects to ground.	Connected in parallel with ACC(2) pin 2.
	3	SEND	Input/output pin. Goes to ground when transmitting. When grounded, transmits.	Ground level : -0.5 V to 0.8 V Output current : Less than 20 mA Input current (Tx) : Less than 200 mA Connected in parallel with ACC(2) pin 3.
	4	MOD	Modulator input. Connects to a modulator.	Input impedance : 10 k Ω Input level : Approx. 100 mV rms
	5	AF	AF detector output. Fixed, regardless of [AF] position in default settings. (see notes below)	Output impedance : 4.7 k Ω Output level : 100–300 mV rms
	6	SQLS	Squelch output. Goes to ground when squelch opens.	SQL open : Less than 0.3 V/5 mA SQL closed : More than 6.0 V/100 μ A
	7	13.8 V	13.8 V output when power is ON.	Output current : Max. 1 A Connected in parallel with ACC(2) pin 7.
	8	ALC	ALC voltage input.	Control voltage : -4 V to 0 V Input impedance : More than 10 k Ω Connected in parallel with ACC(2) pin 5.

ACC (2)	PIN No.	NAME	DESCRIPTION	SPECIFICATIONS
 Rear panel view	1	8 V	Regulated 8 V output.	Output voltage : 8 V \pm 0.3 V Output current : Less than 10 mA
	2	GND	Same as ACC(1) pin 2.	
	3	SEND	Same as ACC(1) pin 3.	
	4	BAND	Band voltage output. (Varies with amateur band)	Output voltage : 0 to 8.0 V
	5	ALC	Same as ACC (1) pin 8.	
	6	TRV	Activates [XVERT] input/output when "HIGH" voltage is applied.	Input impedance : More than 10 k Ω Input voltage : 2 to 13.8 V
	7	13.8 V	Same as ACC(1) pin 7.	


 If the CW side tone level limit or beep level limit is in use, the CW side tone or beep tone decreases from the fixed level when the [AF] control is rotated above a specified level, respectively. (p. 96)