



Features

- ☑ **Field Programmable by PC**
- ☑ **Control & display up to four channels**
- ☑ **Monitor** (*latched or momentary*)
- ☑ **Intercom**
- ☑ **Mute** (*latched or momentary*)
- ☑ **Alert Tone**
- ☑ **Programmable Auxiliaries**
- ☑ **30db of Compression and 3 Watts of speaker audio**

Benefits

The 24-46 has been designed with the future in mind. As your Two Way Radio communications needs change and grow, the 24-46 will keep up. Features that are an additional cost on less capable remotes are STANDARD with IDA's 24-46. Standard features that are not utilized when the equipment is acquired can easily be put in service later. Simple programming done in the field will activate and/or configure Monitor, Intercom, Mute, Alert Tone, Number of Channels, and the Auxiliaries.

With multiple remotes installed in parallel the audio levels remain consistent. Even in a noisy environment you will be heard loud and clear.

Cost Options

Option 410 – Clock and VU Meter

Large easy to read LED display gives TIME and TX level at a glance.
(*Field programmable as Military or Standard time*)

Option 411 – Four Wire

Programmable for full duplex or separate pairs for TX and RX.

Option 412 – Supervisory / Alternate Line

Programmed as Supervisory this option allows one deskset remote to control access to the base station by other remotes. Programmed as Alternate Line allows the deskset to switch to a different base station radio with the push of a button.

Option 413 – Parallel TX Indicator

Gives visual indication of TX by another remote even while muted.

Option 414 – Additional Control Currents

of +/-15ma and +/-20ma



OTHER 24-66 & 24-46 OPTIONS:

- RBC-001 Wall Mounting Bracket
- RBC-002 External Encode/Decode Cable
- RBC-003 Programming Cable and Software

MODEL 24-46 ADDITIONAL PROGRAMMABLE FEATURES

Currents can be programmed for whichever function is desired.

Standard available currents:
0, +/-2.5, +/-6.0, +/-11.

Disable of ON HOOK MONITOR
(handset only)

Momentary F2 (always returns to F1)

Momentary Intercom

Parallel Override (allows remote to send command currents even if parallel remote is off hook, Option 413 required)



MODEL 20-18 DC ADAPTER PANEL

Reliable and flexible describes the 20-18 panel. Jumper selectable 2 wire/4 wire, switchable current schemes, and local mic jack make for easy installation. Available in its own rugged cabinet, the

20-18 can be ordered with plug and play cabling for many popular radios.

Other IDA board only adapters:

- 20-15 – Single function
- 20-16 – Dual function
- 20-17 – Four function

TECHNICAL SPECIFICATIONS

	DC REMOTES	TONE REMOTES	
	24-46	24-66	20-88
Input Voltage	117/230 VAC + -20% 50/60Hz	117/230 VAC + -20% 50/60Hz	117/230 VAC 50/60Hz
Standby Voltage Standby current	----- -----	12-15VDC 287mA (TX) 620mA (RX) (STBY)	250mA (MAX)
Input power (max)	17W (TX) 24W (RX) 4W (STBY)	8.5W (TX) 20W (RX) 8.5W (STBY)	
Temperature range	0° deg to +60 deg C	0° deg to +60 deg C	0° C to +70° C
Relative humidity	90% at 50 deg C	90% at 50 deg C	
Line impedance (1KHz)	600 ohms (TX) 600 or 5k ohms (RX)	600 ohms (TX) 600 or 5k ohms (RX)	600 ohms @ 1 KHz
Line audio output (600 ohm load)	-20 to +10dbm	-20 to +10dbm	-20dbm to +10dbm
TX hum & noise (ref +11dbm)	-55db	-55db	
Threshold of compression (line to speaker audio)	-20dbm adjustable	-20dbm adjustable	-20dbm
Speaker audio output RMS	3W into 4 ohms	3W into 4 ohms	3.5W into 4 ohms
Distortion (at rated speaker output)	Less than 3%	Less than 3%	Less than 5%
RX hum & noise	-55db	-49db	-55db
Frequency response (300 to 3,000Hz)	+1, -3db	+1, -3db except at notch frequency	300Hz to 3KHz
RX compression	With an audio increase of 30db beyond the start of compression the output increases less than 3db	With an audio increase of 30db beyond the start of compression the output increases less than 3db	
TX compression	With an audio increase of 30db beyond the start of compression the output increases 15 to 16db	With an audio increase of 30db beyond the start of compression the output increases 15 to 16db	
Line control	2 or 4 wire audio	2 or 4 wire audio	2 or 4 wire
Notch filter depth	N/A	-45db (RX) -25db (TX)	40db (RX)
Weight	4lbs 15oz	4lbs 15oz	4lbs 8oz
Dimensions	4.75" (H) x 10" (W) x 8" (D)	4.75" (H) x 10" (W) x 8" (D)	2.4" (H) x 10" (W) x 9.4" (D)

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