

## SPECIFICATIONS FOR THE B&K PRO-10 PRE-AMPLIFIER

THE B & K PRO-10 PRE-AMPLIFIER IS A UNIQUE COMBINATION OF DISCRETE AND I.C. TECHNOLOGY. WE AT B & K CHOOSE THIS METHODOLOGY TO GIVE YOU THE GREATEST FLEXIBILITY IN DESIGNING YOUR OWN SOUND SYSTEM. BY COMBINING THESE TWO TECHNOLOGIES WE OFFER TO YOU THE RELIABILITY AND FLEXIBILITY OF I.C.'S WITH THE MUSICALNESS AND NATURALNESS OF DISCRETE CIRCUITRY. COMBINED WITH A QUALITY AMPLIFIER SUCH AS THE ST-140 THE PRO-10 PRE-AMPLIFIER SHOULD OFFER YOU MANY YEARS OF RELIABLE LISTENING PLEASURE.

THE PRO-10 IS A STRAIGHT LINE PRE-AMP WITH ALL THE FEATURES REQUIRED TO ENHANCE YOUR LISTENING PLEASURE. THE PRO-10 HAS TWO PHONO INPUTS AND THREE HIGH LEVEL INPUTS AND ONE TAPE PROCESSOR LOOP. SELECTION OF THE SOURCE MATERIAL IS COMPLETELY CONTROLLED FROM FRONT PANEL SWITCHES. GAIN IS CONTROLLED FROM A SINGLE HIGH PRECISION ATTENUATOR. ACCURACY OF VOLUME ATTENUATION IS WITHIN 1db FROM CHANNEL TO CHANNEL. BECAUSE OF THE ACCURACY OF CHANNEL TO CHANNEL ATTENUATION WE HAVE CHOSEN A BALANCE CONTROL THAT AT THE CENTER POSITION IS COMPLETELY REMOVED FROM THE ACTIVE CIRCUITRY AND WHEN IT IS ENGAGED OFFERS HIGHLY ACCURATE FINE TUNING OF THE CHANNEL BALANCE IN 1.0db INCREMENTS OVER A 10db RANGE.

MECHANICAL RELIABILITY OF THE PRO-10 HAS BEEN INSURED BY THE USE OF CUSTOM MACHINED KNOBS, HANDLES, AND CHASIS FRAMEWORK (16-GUAGE). B & K WARRANTIES ALL UNITS TO BE FREE OF DEFECTS FOR A PERIOD OF TWO YEARS. WE AT B & K TAKE PRIDE IN CUSTOM CRAFTING STEREO'S IN AMERICA THAT ARE BOTH HIGHLY COMPETITIVE AND RELIABLE. EACH SUBASSEMBLY OF A B & K STEREO IS IS COMPLETELY INSPECTED BEFORE BEING ASSEMBLED INTO A FINISHED UNIT. EACH COMPLETED STEREO UNIT IS THEN FULLY BENCH TESTED AND THEN STRESS TESTED BEFORE SHIPPING. AT B & K WE STAND BEHIND EACH AND EVERY UNIT PRODUCED.

### SPECIFICATIONS

HIGH LEVEL SENSISTIVITY .....	500 mV
MOVING MAGNET SENSITIVITY MAX .....	300 mV
MOVING MAGNET INPUT CAPACITANCE .....	100 pF
MOVING MAGNET INPUT RESISTANCE .....	47.5 K
FREQUENCY RESPONSE .....	10Hz - 100KHz (-1,-1)
OUTPUT LEVEL .....	8 V R.M.S.
T.H.D. ....	.02%
I.M.D. ....	.02%
PROCESSOR LOOPS .....	1
MOVING MAGNET SENS. FOR 500 mV .....	1.5 mV
MOVING MAGNET S/N .....	80 dB



## CONTROLS FRONT PANEL

THE SELECTOR SWITCH IS A 5 POSITION SWITCH. IT SELECTS THE SIGNAL SOURCE TO BE HEARD. PHONO1, PHONO2, TAPE, TUNER, OR DIGITAL INPUT, THE CORRESPONDING INPUT SIGNAL IS FED TO THE PRE-AMPLIFIER'S CIRCUITS AS WELL AS THE RECORD OUTPUT JACKS.

TAPE MONITOR, WHEN THIS BUTTON IS DISENGAGED(OUT), THE INPUT SIGNAL CHOSEN BY THE SELECTOR SWITCH IS FED THROUGH TO THE CONTROLS AND TO THE PRE-AMPLIFIER OUTPUT JACKS TO DRIVE A POWER AMPLIFIER. WHEN THE TAPE BUTTON IS ENGAGED(IN), THE OUTPUT SIGNAL FROM A TAPE RECORDER(SEPERATE FROM SELECTOR SWITCH TAPE MACHINE), CONNECTED TO THE REAR TAPE MONITOR JACKS IS HEARD. NOTE: THESE INPUTS MAY ALSO BE USED AS A SIGNAL PROCESSOR LOOP IN CONJUNCTION WITH THE RECORD OUT JACKS. TO DO THIS THE RECORD OUT JACKS ARE THE SOURCE OF THE MATERIAL AND THE TAPE MONITOR JACKS ARE THE RETURN TO THE PRE-AMPLIFIER. THE TAPE MONITOR BUTTON MUST BE ENGAGED(IN) TO ACTIVATE THE LOOP.

VOLUME ADJUSTS THE OVERALL LOUDNESS OF THE SOUND WITH 32 DETENT POSITIONS.

BALANCE ADJUSTS THE RELATIVE LEVELS OF THE LEFT AND RIGHT CHANNELS. A DETENT AT THE 12 O'CLOCK POSITION MARKS THE POINT OF EQUAL BALANCE. ROTATION OF THIS CONTROL TO THE RIGHT(CLOCKWISE) DECREASES THE LEVEL OF THE LEFT CHANNEL, THIS IS THE EQUIVALENT OF SHIFTING THE SONIC IMAGE TOWARD THE RIGHT. THERE ARE 21 DETENT POSITIONS TO COMPENSATE FOR OFF CENTER BALANCE OF THE SYSTEM, IDEALLY THE DETENTED CENTER POSITION WILL BE THE NORMAL SETTING. NOTE: THIS CONTROL DOES NOT FULLY ATTENUATE THE SIGNAL ON FULL LEFT AND FULL RIGHT EXCURSIONS, BUT RATHER IS DESIGNED TO GIVE -12dB ATTENUATION MAXIMUM.

## INPUTS

PHONO1 AND PHONO2 TWO SEPERATE PHONOGRAPHS MAY BE CONNECTED TO THIS UNIT. SWITCHING BETWEEN THE 2 UNITS IS ACCOMPLISHED VIA THE FRONT PANAL SELECTOR SWITCH.

TAPE THIS INPUT CAN BE USED FOR TAPE PLAYBACK PURPOSES ONLY.

TUNER THE HIGH LEVEL SIGNAL FROM AN AM/FM TUNER CAN BE CONNECTED TO THIS INPUT.

DIGITAL THIS IS A DIGITAL INPUT THAT CAN BE USED FOR ANY HIGH LEVEL SENSITIVITY DEVICE; (i.e. BETA, CD, VCR PLAYERS.)

TAPE MONITOR A TAPE RECORDER'S OUTPUT CAN BE CONNECTED TO THIS INPUT OR THIS INPUT CAN BE USED AS THE RETURN IN A PROCESSOR LOOP. NOTE: SEE TAPE MONITOR DESCRIPTION.



## OUTPUTS

RECORD THIS OUTPUT SENDS A RECORD LEVEL SIGNAL FROM WHICH EVER DEVICE IS SELECTED ON THE FRONT PANEL SELECTOR.

PRE-AMP THERE ARE TWO SETS OF OUTPUT JACKS THAT MAY BE USED TO DRIVE A POWER AMPLIFIER WITH UP TO A MAXIMUM OF 8 V R.M.S.

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MOVING MAGNET INPUT RESISTANCE ..... 47.5 K  
FREQUENCY RESPONSE ..... 10Hz - 100KHz (-1,-1)  
OUTPUT LEVEL ..... 8 V R.M.S.  
T.H.D. .... .02%  
I.M.D. .... .02%  
PROCESSOR LOOPS ..... 1  
MOVING MAGNET SENS. FOR 500 mV ..... 1.5 mV  
MOVING MAGNET S/N ..... 80 dB