

# EQ CURVES PARAMETER SETUP

The ability to manually modify the curves is an exclusive feature of the PH-1000. Using analogue technology, we developed a unique design that allows you to create unlimited equalisation curves simply acting on 3 parameters - Bass Turnover, Bass Shelf and Treble Cut - as it's the most effective way to control and plot an equalisation curve.

There are 4 custom presets available that you can edit using the dedicated menu.

## **Bass Turnover (Hz)**

This parameter controls the frequency at which the EQ curve reaches 3dB. You can adjust the frequency from 200Hz to 800Hz (for the RIAA standard EQ curve, this parameter is 500Hz).

## **Bass Shelf (dB)**

This parameter controls the gain at 10Hz and it's also called a "low frequency shelving filter", allowing you to adjust the gain from +12dB to +20dB. It can also be set to N which means it won't affect the curve (for the RIAA standard EQ curve, this parameter is R= +20dB).

## **Treble Cut (dB)**

Also known as the "10KHz gain roll-off", this parameter determines the cut at 10KHz and can be adjusted from 0dB to -24dB (for the RIAA standard EQ curve, this parameter is -13.7dB).

Label	Remarks	Curve Type	Bass Turnover	Bass Shelf	Treble Cut
Allegro	1948-1956	Columbia LP	500	C	-16
Allied	to 1958	NAB or Col.LP	500	B/C	-16
American Recording Society	to 1958	AES	400	N	-12.3
American Recording Society	to matrix E2KP9607, mastered by RCA	Old Ortho. [R-D]	500	N	-13.7
Angel	(2XEA213-392/XAX561-817) (1N,2N)	500-FLAT	500	N	0
Angel	to 1952; to 35022	Old Ortho. [R-D]	500	N	-13.7
Arizona	to Sept(?) 1955	Capitol [CAP]	400	N	-12,7
Artist		NAB	500	B	-16
Atlantic	to 1953, produced by MGM	NAB	500	B	-16
Audio Fidelity	no. 901-903	NAB	500	B	-16
Audiophile	1952-1976 (!); regular 33 $\frac{1}{2}$ LPs up to AP-125; may also be replayed with "flat" treble; probably never used RIAA	Audiophile33	600	N	-10.3
Bach Guild	sublabel of Vanguard; BG-501 to 529 (1950 to 52)	Columbia LP	500	C	-16
Banner	to 10002	Columbia LP	500	C	-16
Bartók	1952-1953	AES	400	N	-12.3
Bartók	no. 301-307, 309, 906-920	Bartok	630	C	-16
Bartók	to 1952	Columbia LP	500	C	-16
Bartók	no. 308, 310-11, 901-05 and from 921	RIAA	500	R	-13,7
Blue Note	33 $\frac{1}{2}$ and 45s to Sept(?) 1955	AES	400	N	-12.3

Boston	to 1958, up to B202	Columbia LP	500	C	-16
Brunswick	1951-1955	AES	400	N	-12.3
Brunswick	to matrix MG4400; with raised matrix**	Old RCA	800	N	-8
Caedmon (American)	founded 1952, TC1002 - TC1022 (1955)	Bartok	630	N	-16
Caedmon (British)	from 1953	CCIR 78	350	N	-10,5
Canyon	to C6160	AES	400	N	-12.3
Capitol /Capitol-Cetra	33% 1949-1955 (sold to EMI-UK in 1955)	Capitol [CAP]	400	N	-12,7
Capitol /Capitol-Cetra	45 rpm 1949-1954	NAB	500	B	-16
Cetra-Soria	Am. releases of Cetra, 1948-1953 (Cetra-Soria sold to Capitol)	Columbia LP	500	C	-16
Colosseum		AES	400	N	-12.3
Colosseum	to Jan 1954	NAB	500	B	-16
Columbia (American)	45 rpm	AES	400	N	-12.3
Columbia (American)	1947-1955; to matrix ML4895, XLP3200	Columbia LP	500	C	-16
Columbia (American)	1948 - 1953; 45 rpm	NAB	500	B	-16
Columbia (American)	1955 - ; after matrix XLP3200 or with "HiFi+" sticker	RIAA	500	R	-13.7
Columbia (British)	1949 - 7/1953, matrix nos. LPs: from XA561 to XAX817; XRX12; EPs: 7TCA 7, 7TCO 6; SPs: 7XCA185, 7XCO 87	500-FLAT	500	N	0
Concert Hall	marked AES,	AES	400	N	-12.3
Concert Hall	E1KP/E2KP matrix, mastered by RCA, ca. 1951/53	Old Ortho. [R-D]	500	N	-13.7

Concert Hall	E0 matrix, mastered by RCA, ca. 1950/51	Old RCA	800	N	-8
Concert Hall	matrix E2RP from 4095/E2KP from 9607	RIAA	500	R	-13,7
Concert Hall (American)	most! 1948-1954, XTV matrix to 20383 (low take nos) produced by COL	Columbia LP	500	C	-16
Concert Hall (British)	to 1956 (or 1954)	London LP	500	C	-10.5
Contemporary	2001-02, 2501-02, 2505, 2507, 3501	AES	400	N	-12.3
Contemporary	2504	NAB	500	B	-16
Contemporary	after matrix AP121	RIAA	500	R	-13.7
Cook	to 1958(?), regular mono records	Cook	500	N	var. -12 to -15
Cook	Cook Laboratories	NAB	500	B	-16
Coral		AES	400	N	-12.3
Coral	to 1958(?)	NAB	500	B	-16
Coral	sublabel of Decca (Amer.), est. 1949, up to MG4400, with raised matrix	Old RCA	800	N	-8
Decca (American)	1953, 33⅓ and 45 rpm	AES	400	N	-12.3
Decca (American)	1949-1951	London LP	500	C	-10.5
Decca (American)	1953-Nov1955, 33⅓ and 45 rpm	NAB	500	B	-16
Decca (American)	up to MG4400, with raised matrix	Old RCA	800	N	-8
Decca (British)	ffrr (after 6/50)***	500-FLAT	500	N	0
Decca (British)	1950-1956	London LP	500	C	-10.5
Decca (British)	ffrr (from ARL2530-2A)	RIAA	500	R	-13.7
Decca (European)	some 1954-1962	CCIR 78	350	N	-10.5
Decca (European)	most from 1954	RIAA	500	R	-13.7

Decca (European)	1949-1954, (Telefunken + Decca UK = TELDEC since 1950)	Telefunken	400	N	0
Deutsche Grammophon	1952-1955, early LPs, cat. no in a rectangle, bass shelf 50 Hz	IEC N78	350	A	-10.5
Deutsche Grammophon	cat. no. in an inverted triangle (RIAA symbol)	RIAA	500	R	-13.7
Deutsche Grammophon	1957, test disc DG 99105, possibly the only disc to DIN 45533	TELDEC	500	R	-11
Dial	1948 - 1954, 33⅓ and 45 rpm, bass of EP 45s can be improved by 700Hz t/o	Columbia LP	500	C	-16
Dot	to 1958, 33⅓ and 45 rpm	AES	400	N	-12.3
Ducretet Thomson	10/1954 - 1958, British releases issued by London/Decca UK	London LP	500	C	-10.5
Elektra	EKL 17, 22 (released 1954)	AES	400	N	-12.3
Elektra	EKL 2-15, 18-20, 24-26 (rel. 1952- 55)	Bartok	630	N	-16
Elektra	EKL 16, 21, 23 (rel. 1955) and from 27 up	RIAA	500	R	-13.7
EMI-Angel	to 1952, Deutsche Grammophon releases in US	Old Ortho. [R-D]	500	N	-13.7
EMI-HMV	1949-1953; matrix 2XEA213-392/ XAX561-817 (1N,2N) 33⅓ and 45 rpm	500-FLAT	500	N	0
EMI-HMV	1954-1958?	Columbia LP	500	C	-16
EMI-HMV	1951-1954	NAB	500	B	-16
EMI-HMV	since July 1953	RIAA	500	R	-13.7
EMS	1951-1956	AES	400	N	-12.3
Epic	1948-1954, a Columbia sublabel	Columbia LP	500	C	-16

Esoteric	ES 500,517 and EST 5,6	AES	400	N	-12.3
Esoteric	to matrix E2KP 9607, mastered by RCA; from ES 533 => RIAA	Old Ortho. [R-D]	500	N	-13.7
Festival	to 1955	Columbia LP	500	C	-16
Folkways	1948- 1955; all	Columbia LP	500	C	-16
Fraternity Records	up to F-1013	500-FLAT	500	N	0
Good-Time Jazz	3, 9-19	AES	400	N	-12.3
Good-Time Jazz	1, 5-8	NAB	500	B	-16
Good-Time Jazz	2, 4, 20 and up; since Oct 1955 => RIAA	RIAA	500	R	-13.7
Handel Society	sublabel of Concert Hall, mostly produced by COL, 1951-1954; others see Concert Hall	Columbia LP	500	C	-16
Haydn Society	sublabel of Urania; to matrix XTV20383, mastered by COL; to cat. HS-3062, HSL-84; 1949 to 1954	Columbia LP	500	C	-16
His Master's Voice (Amer.)	sublabel of RCA; to 1952; since Aug 1952 => "New Ortho." = RIAA	Old Ortho. [R-D]	500	N	-13.7
His Master's Voice (British)	1949 - 7/1953, EMI-UK, matrix nos. LPs: 2XEA213 - 392 and 0XAV145; EPs: 7TEA 19, 7TAV 28; SPs: 7XBA14 - 21 and 7XCS 23, 7XLA 2, 7XRA 30, 7XSB 6, 7XVH 70, 7XEA688, 7XAV227	500-FLAT	500	N	0
His Master's Voice (British)		Columbia LP	500	C	-16
Kapp	no. 100-103, 1000-1001	Kapp	800	N	-16

Kendall	to 1958(?)	NAB	500	B	-16
L'Oiseau-Lyre	to 1954, to matrix OL50018, prod. by Decca	London LP	500	C	-10.5
London	ffrr; after 6/1950***, to matrix ARL1186-1B	500-FLAT	500	N	0
London	first few	Columbia LP	500	C	-16
London	ffrr; to LL-846; to matrix ARL2530-2A	London LP	500	C	-10.5
Lyrichord	if labeled "629"	Bartok	630	C	-16
Lyrichord	1948 - 1951, XTV matrix, mastered by COL	Columbia LP	500	C	-16
Lyrichord	1951 - 1957(?)	NAB	500	B	-16
Lyrichord	1950 - 1952, mastered by RCA	Old Ortho. [R-D]	500	N	-13.7
Mercury	1953 - Oct 1954, 33½ and 45s, to matrix MG50026, 7000	AES	400	N	-12.3
MGM	to 1953; to matrix M-G-M E3071; 33½ and 45 rpm; bass of 45s can be improved by 700 Hz	MGM [MGM]	500	N	-12
MGM	to 1952	NAB	500	B	-16
MGM (British)	1949 - 7/1953, matrix nos. SPs: 7XSM203	500-FLAT	500	N	0
Music Treasures	all	Columbia LP	500	C	-16
New Records	to 1954	Columbia LP	500	C	-16
New Records	mastered by RCA	Old Ortho. [R-D]	500	N	-13.7
Nixa (British)	to 1955, if labeled AES	AES	400	N	-12.3
Nixa (British)	1950 (founded) to 1955, US matrixes from Westminster	Columbia LP	500	C	-16
Nixa (British)	to 1955, if labeled NAB	NAB	500	B	-16

Nixa (British)	US matrixes from Polymusic or Urania; mastered by RCA Victor	Old Ortho. [R-D]	500	N	-13.7
Nocturne	LP1-LP3 ,LP5; XP1-XP10	AES	400	N	-12.3
Oceanic	to 1958; to matrix XTV20383, low take nos.	Columbia LP	500	C	-16
Overtone	nos. 1-5 produced by COL; from no. 6 => RIAA	Columbia LP	500	C	-16
Oxford	to 1958?	Columbia LP	500	C	-16
Pacific Jazz	PJLP 1-13; 10" LPs issued in 1953/54	AES	400	N	-12.3
Pacific Jazz	to 1953	Pacific Jazz	500	C	-12
Parlophone	1949 - 7/1953, EMI UK, matrix nos. LPs: XEX 60; SPs: 7XCE135; (EPs were probably all RIAA)	500-FLAT	500	N	0
Period	1949-1953; up to 576	NAB	500	B	-16
Philharmonia	to 1958?	AES	400	N	-12.3
Philips	to 1953, 33½ and 45s	Philips	400	N	-6
Philips (British)	1953 - ?, LPs with re-issues of 78s masters	CCIR 78	350	N	-10.5
Polymusic	to 1958 (regular mono records)	NAB	500	B	-16
Rachmaninoff Society	to 1958?	Columbia LP	500	C	-16
RCA Victor	1950 - 8/1952, 33½ only; matrix from E0LRC3981	Old Ortho. [R-D]	500	N	-13.7
RCA Victor	1949 - 1950, some 33½ and 45s; matrix from D9 to E0LRC3980	Old RCA	800	N	-8 or -10
RCA Victor	1949 - 8/1952, first 45 rpm discs (also some 33½)	RCA 45 [R-D]	800	N	-13.7



RCA Victor	since Aug. 1952: "New Orthophonic"; all LM,WDM,DM cat. from 1701; LCT,WCT from 1112; all LHMV, WHMV, LBC, WBC and Extended Play 45s; (from E2RP4094)	RIAA	500	R	-13.7
Remington	to 1958(?); to matrix 199-135	NAB	500	B	-16
Renaissance	1949 - 1952	Columbia LP	500	C	-16
Renaissance	1952 - 1954	Pacific Jazz	500	C	-12
Riverside	to Sept (?) 1955	AES	400	N	-12.3
Stradivari	to 1958	Columbia LP	500	C	-16
Telefunken	1954 - 1962	CCIR 78	350	N	-10.5
Telefunken	1951 - 1953, (Telefunken + Decca UK = TELDEC since 1950)	Telefunken	400	N	0
Tempo	1948 - 1953	Columbia LP	500	C	-16
Tempo	1954 - 1958(?)	NAB	500	B	-16
Transradio	to 1958(?)	Columbia LP	500	C	-16
Urania	Cat. nos. URLP 224, 603, 7059, 7063, 7065, 7066, 7069; ca 1952/53	AES	400	N	-12.3
Urania	most; to matrix XTV20383 (low take nos), mastered by COL; 1949 to 1954; since 1953 change to RIAA	Columbia LP	500	C	-16
Urania	to matrix E2KP9243, mastered by RCA; 1950 to 1953	Old Ortho. [R-D]	500	N	-13.7
Vanguard	VRS 411-42, 6000-18, up to XTV20386; VRS 7001-11, 8001-04; since 1954 RIAA	Columbia LP	500	C	-16

Vox	labeled AES	AES	400	N	-12.3
Vox	1948 - 1954; up to matrix XTV20386, PL8400 or labeled "Lp"; mastered by COL	Columbia LP	500	C	-16
Vox	1951 - Oct 1954	NAB	500	B	-16
Westminster	labeled AES	AES	400	N	-12.3
Westminster	1948 - Oct 1955, to matrix XTV20383 low take nos.; mastered by Columbia	Columbia LP	500	C	-16
Westminster	labeled NARTB	NAB	500	B	-16
Westminster	to matrix E2KP9607, mastered by RCA	Old Ortho. [R-D]	500	N	-13.7
Westminster	EO matrix	Old RCA	800	N	-8