

Presets (Factory Settings)

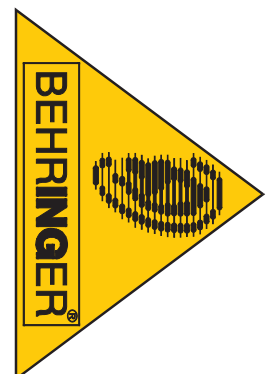
Preset	Filter 1	Filter 2	Filter 3	Filter 4	Filter 5	Filter 6	Filter 7	Filter 8	Filter 9	Filter 10	Filter 11	Filter 12
1	MONO: 9 single shot filters attenuate room resonances before 3 automatic filters destroy variable feedbacks											
L	SI	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	AU
R	SI	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	AU
2	2 x MONITOR AS FEEDBACK DESTROYER ONLY: 7 single shots / 5 automatic filters for most monitor setups											
L	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	AU	AU
R	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	AU	AU
3	MONO AUTO PILOT: 12 Filters per channel constantly chase and destroy feedbacks											
L	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU
R	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU	AU
4	STEREO PARAMETRIC EQ: Preset with 12 ISO frequencies, all set to 1/3 Oct., Gain + 0 dB											
Couple	125 Hz	160 Hz	200 Hz	250 Hz	315 Hz	400 Hz	500 Hz	630 Hz	800 Hz	1 k	1.25 k	1.6 k
5	STEREO PARAMETRIC EQ: Preset with 12 ISO frequencies, all set to 2/3 Oct., Gain + 0 dB											
Couple	40 Hz	63 Hz	100 Hz	160 Hz	250 Hz	400 Hz	630 Hz	1 k	1.6 k	2.5 k	4 k	6.3 k
6	2 x MONO: Sample monitoring, left for handheld (lead) microphone(s), right for fixed (backing) ones											
L	SI	SI	SI	AU	AU	AU	AU	AU	PA def	PA def	PA def	PA def
R	SI	SI	SI	SI	SI	AU	AU	AU	PA def	PA def	PA def	PA def
7	MONO PARAMETRIC AND SINGLE SHOT FILTERS: A good start for a monitor equalization											
L	SI	SI	SI	SI	SI	SI	SI	SI	SI	PA def	PA def	PA def
R	SI	SI	SI	SI	SI	SI	SI	SI	SI	PA def	PA def	PA def
8	STEREO FOH EQ, providing 4 parametric EQ's (low roll off in filter 1 and 2), plus 8 single shot filters											
Couple	PA	PA	PA d.	PA d.	SI	SI	SI	SI	SI	SI	SI	SI
	40 Hz	80 Hz	Channels coupled, changes on one channel are valid for both									
	1 Oct.	1 Oct.										
	-8 dB	-4 dB										
9	MONO FREE											
L, R	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	PA	PA
	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	PA	PA
10	STEREO FREE											
Couple	SI	SI	SI	SI	SI	SI	SI	SI	AU	AU	PA	PA

The most probable use for the FEEDBACK DESTROYER PRO is feedback suppression in a stage monitor system or in a PA system. The unit should be connected between your console and the power amplifiers.

- ▲ For most PAs the operating level switch on the back panel should be set to **+4 dB**.
- ▲ After power-up, the Jog Wheel can select any of 10 programs. **Programs 1 – 3** give you instant feedback suppression for all 12 filters. Choose **Program 8 or 10** for stereo processing of the master output.
- ▲ Note that the unit has 3 modes of operation depending on the Bypass switch.
 - Off: means that the unit is fully functional.
 - On: means that the Feedback Destroyer does not actively search but holds the filter settings.
 - Flashing: the whole unit is bypassed. No processing takes place and the input is directly led to the output.
- ▲ If you are using the FEEDBACK DESTROYER PRO for two separate monitor channels the L & R Engines should not be coupled.

FEEDBACK DESTROYER[®] PRO

DSP1100P



Frequency Chart

Display	-9/60	-8/60	-6/60	-4/60	-2/60	ISO	+2/60	+4/60	+6/60	+8/60	+10/60	Display
20 Hz						20	20,5	21	21,5	22	22,5	20 Hz
25 Hz	22,8	23	23,5	24	24,5	25	25,7	26,3	27	27,6	28,3	25 Hz
32 Hz	28,6	28,9	29,6	30,2	30,9	31,5	32,4	33,2	34,1	34,9	35,8	32 Hz
40 Hz	36,2	36,6	37,5	38,3	39,2	40	41	42	43	44	45	40 Hz
50 Hz	45,5	46	47	48	49	50	51	53	54	55	57	50 Hz
63 Hz	57	58	59	60	62	63	65	66	68	70	71,5	63 Hz
80 Hz	72,4	73	75	77	78	80	82	84	86	88	90	80 Hz
100 Hz	91	92	94	96	98	100	103	105	108	110	113	100 Hz
125 Hz	114	115	118	120	123	125	129	132	136	139	143	125 Hz
160 Hz	144	146	150	153	157	160	164	168	172	176	180	160 Hz
,20 kHz	182	184	188	192	196	200	205	210	215	220	225	,20 kHz
,25 kHz	228	230	235	240	245	250	257	263	270	276	283	,25 kHz
,32 kHz	286	289	296	302	309	315	324	332	341	349	358	,32 kHz
,40 kHz	362	366	375	383	392	400	410	420	430	440	450	,40 kHz
,50 kHz	455	460	470	480	490	500	513	526	539	552	565	,50 kHz
,63 kHz	572	578	591	604	617	630	647	664	681	698	715	,63 kHz
,80 kHz	724	732	749	766	783	800	820	840	860	880	900	,80 kHz
1,00 kHz	910	920	940	960	980	1000	1025	1050	1075	1100	1125	1,00 kHz
1,25 kHz	1138	1150	1175	1200	1225	1250	1285	1320	1355	1390	1425	1,25 kHz
1,60 kHz	1443	1460	1495	1530	1565	1600	1640	1680	1720	1760	1800	1,60 kHz
2,0 kHz	1820	1840	1880	1920	1960	2000	2050	2100	2150	2200	2250	2,0 kHz
2,5 kHz	2275	2300	2350	2400	2450	2500	2565	2630	2695	2760	2825	2,5 kHz
3,2 kHz	2858	2890	2955	3020	3085	3150	3235	3320	3405	3490	3575	3,2 kHz
4,0 kHz	3618	3660	3745	3830	3915	4000	4100	4200	4300	4400	4500	4,0 kHz
5,0 kHz	4550	4600	4700	4800	4900	5000	5130	5260	5390	5520	5650	5,0 kHz
6,3 kHz	5715	5780	5910	6040	6170	6300	6470	6640	6810	6980	7150	6,3 kHz
8,0 kHz	7235	7320	7490	7660	7830	8000	8200	8400	8600	8800	9000	8,0 kHz
10,0 kHz	9100	9200	9400	9600	9800	10000	10250	10500	10750	11000	11250	10,0 kHz
12,5 kHz	11375	11500	11750	12000	12250	12500	12850	13200	13550	13900	14250	12,5 kHz
16,0 kHz	14425	14600	14950	15300	15650	16000	16400	16800	17200	17600	18000	16,0 kHz
20 kHz	18200	18400	18800	19200	19600	20000						20 kHz

MIDI

MIDI Implementation Chart			
Function	Transmitted	Recognized	Remarks
Basic Default	OFF, 1 - 16	OFF, 1 - 16	memorized
Channel Changed	OFF, 1 - 16	OFF, 1 - 16	
Mode Default	1,2,3,4	1,2,3,4	
Mode Messages	X	X	
Mode Altered	X	X	
Note Number	X	X	
True Voice	X	X	
Velocity Note ON	X	X	
Velocity Note OFF	X	X	
After Touch Key's	X	X	
After Touch Ch's	X	X	
Pitch Bender	X	X	
Control	O 10 - 19	O 10 - 19	see add. Table
Progr.	O (0-9)	O (0-9)	
Change True #	1-10	1-10	
System Exclusive	X	X	
System Song Pos	X	X	
System Song Sel	X	X	
Common Tune	X	X	
System Clock	X	X	
Real Time Commands	X	X	
Aux Local ON/OFF	X	X	
All notes OFF	X	X	
Messages Active Sense	X	X	
Reset	X	X	

Parameter Name	Display Range	Midi Control Number	Control Value Range	LEDs					
				Couple	Left	Right	IN on	IN off	IN flashing
Filter Select	1..12	10	0..11						
Filter Mode	OF, PA, AU, SI	11	0..3						
Engine		12	0,1,2	0	1	2			
Frequency	20 (Hz)..20 (kHz)	13	0..30						
Fine (1/60 Oct)	-9..+10	14	0..19						
Bandwidth	1..120	15	0..119						
Gain	-48..+16	16	0..64						
Feedback Threshold	-3..9	17	0..6						
Store	1..10	18	0..9						
In/Out		19	0..2				2	1	0

Notes
O = YES, X = NO
Mode 1: OMNI ON, POLY
Mode 2: OMNI ON, MONO
Mode 3: OMNI OFF, POLY
Mode 4: OMNI OFF, MONO