

Orban Optimod-FM 5518 Audio Processor Setup/Parameters Worksheet

Version 1.2

			Location	Location	Location	Location	Location
			Preset	Preset	Preset	Preset	Preset
Parameter	Range	Unit					
SYSTEM SETUP							
I/O CALIB							
INPUT	Analog, Digital, Dig+J17						
ANL IN CALIB							
Ref. Level VU	-9.0... +13.0	dBu					
Ref. Level PPM	-2.0... +20.0	dBu					
Right Channel Balance	-3.0... +3.0	dB					
DIG IN CALIB							
Ref. Level VU	-30.0d... -7.0	dBFS					
Ref. Level PPM	-23.0d... -0.0	dBFS					
Right Channel Balance	-3.0... +3.0	dB					
ANLG OUT CALIB							
AO 100%	-6.0...+24.0	dBu					
AO Pre-Emphasis	Flat, Pre-e						
AO Source	Monitor, FM, FM + Delay						
DIG OUT CALIB							
DO 100%	-20.0... 0.0	dBFS					
DO Pre-Emphasis	Flat, Pre-e, J.17, Pre+J17						
DO Rate	32, 44.1, 48, 88.2, 96	kHz					
DO Sync	Digital In, Pilot Sync		note: BNC uses wordclock or 10 MHz appearing at the sync BNC connector.				
Pilot Sync	Ref In, Digital In, Internal						
Word Length	14... 24						
Dither	In, Out						
Format	AES, SPDIF						
DO Source	Monitor, FM, FM + Delay						
STEREO ENCODER							
Composite 1 Level	-12.0 ... +16.0	dBu					
Composite 2 Level	-12.0 ... +16.0	dBu					
Mode	Stereo, Pilot Off, mono-L, mono-R, mono-SUM						
Crosstalk Test	operate, MtoS P on, MtoS P off, StoM P on, StoM P off						
Pilot Level	6.0%...12.0%						
Processing Pre-emphasis	75, 50	uS					
ITU-412	-2.0... +10.0, Off	dB					
19k Reference	0, 90, 180, 270	deg					
Composite Diversity Delay	In, Out						
TEST							
Bypass Gain	-18.0... 25.0	dB					
Tone Frequency	16... 15,000	Hz					
Tone Level/Modulation	0... 121%						
Tone Channels	L+R, L-R, Left, Right						

Pilot	On, Off						
Time Date and ID							
Daylight Time Begins Month							
Daylight Time Begins Week							
Standard Time Begins Month							
Standard Time Begins Week							
Station ID							
Time Sync							
Protocol	SNTP, Time Pro						
Sync Period	Off, 8 Hrs, 24 Hrs						
Offset	+12 ... -12	Hrs					
Time Server Address							
NETWORK & REMOTE							
PC Connect	ASCII, Direct, Modem						
Modem Init String							
IP Address							
Subnet Mask							
Gateway Address							
IP Port							
Tally Output							
Tally 1	Input: Analog, Input:Digital, Analog Input Silent, AES Input Silent, AES Input Error, Sync In Error, No Function						
Tally 2	Input: Analog, Input:Digital, Analog Input Silent, AES Input Silent, AES Input Error, Sync In Error, No Function						
REMOTE INTERFACE							
Remote Contact 1							
Remote Contact 2							
Remote Contact 3							
Remote Contact 4							
Remote Contact 5							
Remote Contact 6							
Remote Contact 7							
Remote Contact 8							
EXT AGC							
EXT AGC	No, Yes						
MODULATION REDUCTION							
Mod. Reduction 1	-20.0%...0.0%						
Mod. Reduction 2	-20.0%...0.0%						
FINAL CLIP							
Final Clip	active, defeat						
Silence Detect							
Silence Threshold	-60... -20	dB					
Silence Delay	2... 60	sec					
Analog Fallback	Yes, No						
DI Analog Fallback							
DI Analog Fallback	Yes, No						
Diversity Delay							
Diversity Delay Trim	Increments of 15.6 microseconds (one sample delay at 64 kHz sample rate)						
ADVANCED MODIFY							

Stereo Encoder Preset							
Input LPF	Out, 15.0, 16.0, 17.0	kHz					
Apply Emphasis	No, Yes						
L/R Limit	In, Out						
MPX Lim Mode	Hard, HalfCos						
MPX Lim Drive	Off, 0.1... 3.0	dB					