

KEYPAD MENUS

Software Version 5.1

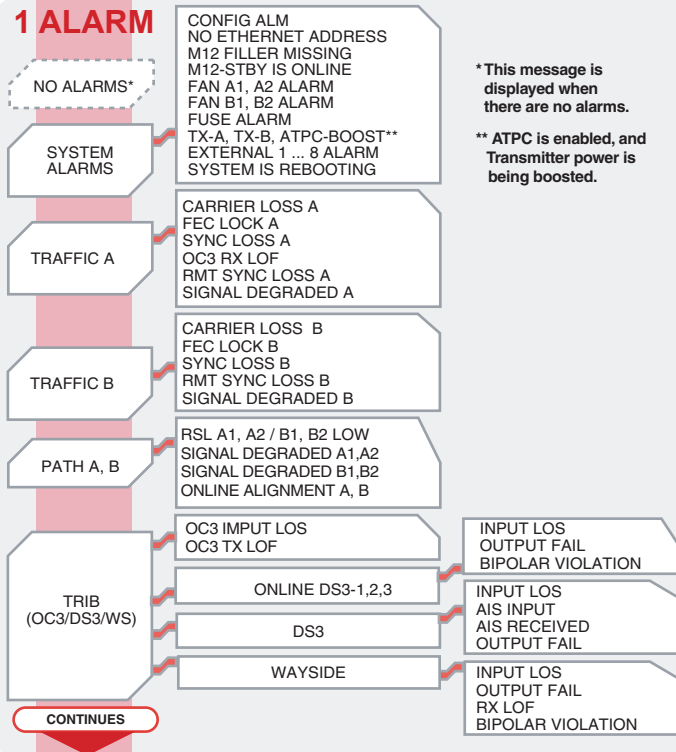
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KEYS

KEYPAD	PC	FUNCTION
8	↑	Scroll up
2	↓	Scroll down
4	←	Page up
6	→	Page down
5	.	HOME
ENTER	ENTER	Enter a menu/ execute commands
0 to 9	0 to 9	Numeric keys
F1 to F4	F1 to F4	Function keys

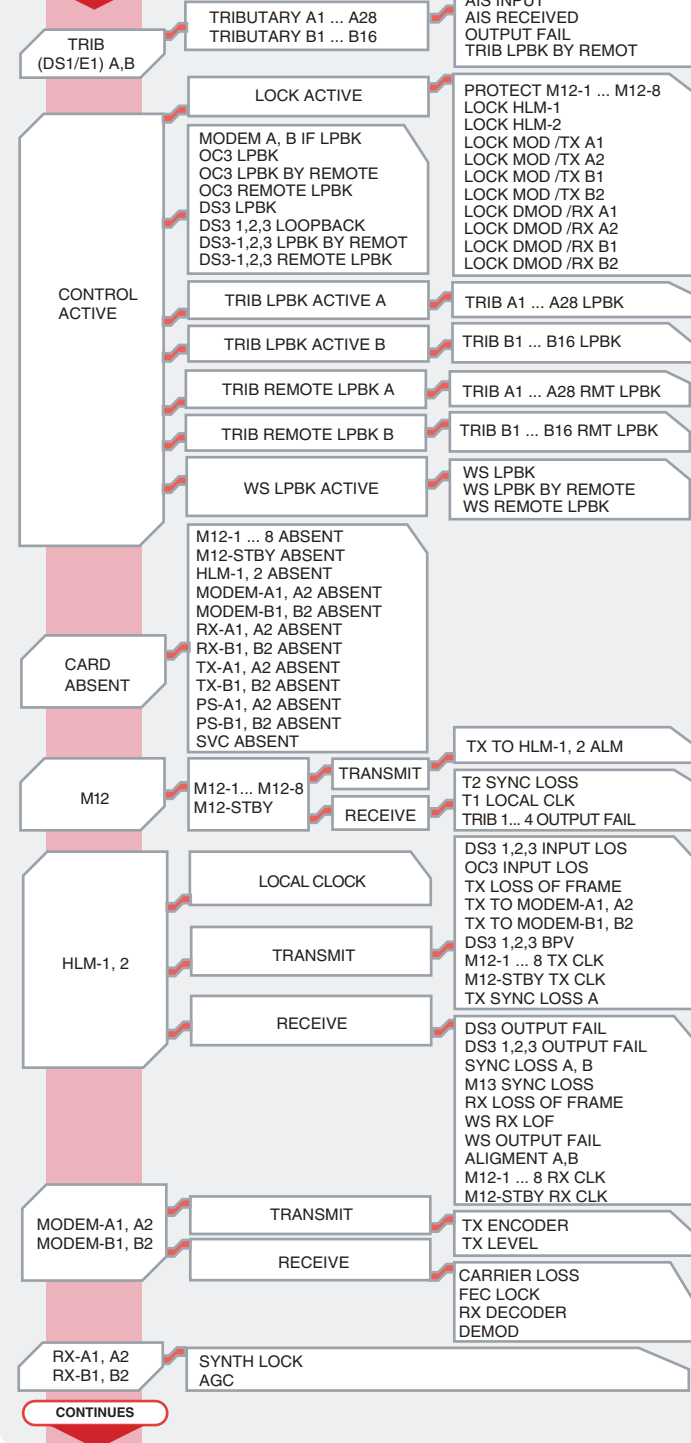
1 ALARM



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ALARM

CONTINUATION



ALARM

CONTINUATION

TX-A1, A2
TX-B1, B2

PS-A1, A2
PS-B1, B2

SVC

SYNTH LOCK
MANUAL MUTE
OUTPUT POWER LOW
NO IF INPUT
LOSS OF -12V

+10.5V PA
+10.5V
-12V
+12V
+5V

SYNC LOSS A, B

2 STATUS

ON LINE
EQUIPMENT

PROTECTED M12	XXXX	1/.../8/NONE
ON LINE HLM	X	1/2
ON LINE MOD/TX A	X	1/2
ON LINE MOD/TX B	X	1/2
ON LINE DEMOD/RX A	X	1/2
ON LINE DEMOD/RX B	X	1/2

MAX CAPACITY	XXXXXX	8xDS1/16xDS1/ 28xDS1/24xE1/ 1xDS3/3xDS3/ 155MBIT
3DS3 CAPACITY USE	XXXXXXXXXXXXXXXXXX	T3-1, T3-2, T3-3/ T2 ADM, T3-2, T3-3/ T3-1, T2 ADM, T3-3/ T3-1, T3-2, T2 ADM/ 28 T1, T3-2, T3-3/ T3-1, 28 T1, T3-3/ T3-1, T3-2, 28 T1
USED CAPACITY	XXXXXX	4xTRIB/8xTRIB/ 12xTRIB/16xTRIB/ 20xTRIB/24xTRIB/ 28xTRIB
MODE	XXXXXXXX	TERMINAL/REPEATER
TRIB I/F	XXXXXXXXXX	ELECTRICAL/OPTICAL
TX-A1, A2 PWR	XXXdBm	
TX-B1, B2 PWR	XXXdBm	
RSL A1, A2	XXXdBm	
RSL B1, B2	XXXdBm	
TX-A1, A2 TEMP*	XXX C	
TX-B1, B2 TEMP*	XXX C	
RCS SW A1 TO A2	XXX	SET/CLR
RCS SW A2 TO A1	XXX	SET/CLR
RCS SW B1 TO B2	XXX	SET/CLR
RCS SW B2 TO B1	XXX	SET/CLR

RELAYS

RELAY 1 ... RELAY 8	XXX	SET/CLR
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CONTROLLER

S/W VER	XXXX
BOOT VER	XXXX
PN	XXX-XXXX-XXXX
SN	XXXXXXXXXX
REVISION	XX
DATE	XX-XX-XXXX

INVENTORY

M12-1 ... 8
M12-STBY
HLM-1, 2
MODEM-A1, A2
MODEM-B1, B2
TX-A1, A2
TX-B1, B2
RX-A1, A2
RX-B1, B2
PS-A1, A2
PS-B1, B2
SVC

S/W VER	XXXX
PN	XXX-XXXX-XXXX
SN	XXXXXXXXXX
REVISION	XX
DATE	XX-XX-XXXX

* Temperature reading on the Keypad will be typically 45°C to 55°C at ambient temperature of 25°C.

3 PERFORMANCE

SYSTEM BER

CONTINUES

MEASUREMENT	XXX	RUN/STOP
CBER A	XXXXXXX	
CBER B	XXXXXXX	
TIME	XXd XXh XX:XX	

PERFORMANCE

CONTINUATION

ERR SEC

RESET STATISTIC	EXEC
ET	XXd XXh XX:XX
UNAV	XXd XXh XX:XX
AV	XXd XXh XX:XX
EFS	XXXXXXXXXX
ES	XXXXXXXXXX
SES	XXXXXXXXXX
EFSR	XXXXXXXXXX
ESR	XXXXXXXXXX
SESR	XXXXXXXXXX
UNAVR	XXXXXXXXXX

LATCH ERR
SEC

ET	XXd XXh XX:XX
UNAV	XXd XXh XX:XX
AV	XXd XXh XX:XX
EFS	XXXXXXXXXX
ES	XXXXXXXXXX
SES	XXXXXXXXXX
EFSR	XXXXXXXXXX
ESR	XXXXXXXXXX
SESR	XXXXXXXXXX
UNAVR	XXXXXXXXXX

TRIBUTARY
A1...A28 BER

TRIB A1...A28 GEN	XXX	RUN/STOP
TRIB A1...A28 BER	XXXXXXXXXX	
TIME	XXd XXh XX:XX	

TRIBUTARY
B1...B16 BER

TRIB B1...B16 GEN	XXX	RUN/STOP
TRIB B1...B16 BER	XXXXXXXXXX	
TIME	XXd XXh XX:XX	

See "4 Measurement" to access
Hidden Submenu.

4 MEASUREMENT

To access the hidden measurement menu:
Keypad: F1+F3 VT100: Ctrl+B

MEASUREMENT	XXX	RUN/STOP
CBER A, B	XXXXXXX	
UBER A1, A2	XXXXXXX	
UBER B1, B2	XXXXXXX	
TIME	XXd XXh XX:XX	

5 CONTROL

LOCK/IF LPBK

PROTECT M12-1 ... M12-8	XXX	SET/CLR
RELEASE STBY		EXEC
LOCK HLM-1, 2	XXX	SET/CLR
LOCK MOD/TX-A1, A2	XXX	SET/CLR
LOCK MOD/TX-B1, B2	XXX	SET/CLR
LOCK DMOD/RX-A1, A2	XXX	SET/CLR
LOCK DMOD/RX-B1, B2	XXX	SET/CLR
MODEM A, B IF LPBK	XXX	SET/CLR
SWITCH MOD/TX-A *		EXEC
RCS SW A1 TO A2 **		CLR
RCS SW A2 TO A1 **		CLR
SWITCH MOD/TX-B *		EXEC
RCS SW B1 TO B2 **		CLR
RCS SW B2 TO B1 **		CLR

TRIB
LOOPBACK

DS3 LPBK	XXX	SET/CLR
TRIB A1 ... A28 LPBK	XXX	SET/CLR
TRIB B1 ... B16 LPBK	XXX	SET/CLR

TRIB REMOTE
LPBK

TRIB A1 ... A28 RMT LPBK	XXX	SET/CLR
TRIB B1 ... B16 RMT LPBK	XXX	SET/CLR

* The SWITCH MOD/TX command can be executed only if there are no alarms on the off-line Transmitter.

** If executing the SWITCH MOD/TX command causes a Remote Sync alarm (RCS switch alarm), the command to Clear the RCS switch appears on the screen.

CONTINUES

CONFIG

CONTINUATION

TRIBUTARIES

EQUALIZER

DS3 EQUALIZER 0-120°/120°-450°
 DS3 1,2,3 EQUALIZER 0-120°/120°-450°
 TRIB A1...A28 EQUALIZER 0-133°/133°-266°/266°-399°/399°-533°/
 533°-655°/E1
 TRIB B1...B16 EQUALIZER 0-133°/133°-266°/266°-399°/399°-533°/
 533°-655°/E1
 WIDESIDE EQUALIZER 0-133°/133°-266°/266°-399°/
 399°-533°/533°-655°
 WAYSIDE EQUALIZER T1 0-133°/T1 133°-266°/T1 266°-399°/
 T1 399°-533°/T1 533°-655°/
 E1 UNBALANCED/
 E1 BALANCED

RELAY 1...8 INPUT

MANUAL CONTROL/ MAJOR ALARM/ MINOR ALARM/
 INPUT LOS/ SYNC LOSS A/ SYNC LOSS B/
 ERRORED SECOND A/ ERRORED SECOND B/
 SIGNAL DEGRAD A1/ SIGNAL DEGRAD A2/
 SIGNAL DEGRAD B1/ SIGNAL DEGRAD B2/
 ON LINE MOD/ TX A/ ON LINE MOD/ TX B/
 ON LINE RXA/ ON LINE RXB/ ON LINE HLM

RELAYS

SERVICE CHANNEL

ADDRESS 000-999
 MODE LINEAR/LPMASTER/LP SLAVE
 VF PORT 1 LEVEL -16 / 7dBm or 0 / 0dBm
 VF PORT 2 LEVEL 0 / 0dBm or 7 / -16dBm
 DATA BRIDGE ISOLATE/BRIDGE
 LOCAL OFF HOOK DISABLE/ENABLE
 EXTERNAL PILOT DISABLE/ENABLE
 DATA PORT A, B BAUD SAMPLE/9600/19200/38400
 DATA PORT A, B PARITY ENABLE/DISABLE

See "8. Custom Configuration" to access customized keypad commands.

NOTE: These commands also have a value configuration box.

8 CUSTOM CONFIG

To access custom commands from the configuration menu: Keypad: F1+F3 VT100: Ctrl+B

TX-A1,A2 FREQ (KHZ)* XXXXXXXX
 RX-A1,A2 FREQ (KHZ)* XXXXXXXX

TX-A1,A2 PWR CALIB
 ADJUST HIGH PWR UP/DOWN
 HIGH PWR CALIB
 ADJUST LOW PWR UP/DOWN
 LOW PWR CALIB

HIGH PWR CALIB dBm
 ACT: XX.X dBm
 NEW: _____

LOW PWR CALIB dBm
 ACT: XX.X dBm
 NEW: _____

TX-A1,A2 100MHZ TUNE
 COARSE UP/DOWN
 FINE UP/DOWN

RX-A1,A2 100MHZ TUNE
 COARSE UP/DOWN
 FINE UP/DOWN

WARNING!
 These commands may interrupt traffic.

TX-B1,B2 FREQ (KHZ)* XXXXXXXX
 RX-B1,B2 FREQ (KHZ)* XXXXXXXX

TX-B1,B2 PWR CALIB
 ADJUST HIGH PWR UP/DOWN
 HIGH PWR CALIB
 ADJUST LOW PWR UP/DOWN
 LOW PWR CALIB

HIGH PWR CALIB dBm
 ACT: XX.X dBm
 NEW: _____

LOW PWR CALIB dBm
 ACT: XX.X dBm
 NEW: _____

TX-B1,B2 100MHZ TUNE
 COARSE UP/DOWN
 FINE UP/DOWN

RX-B1,B2 100MHZ TUNE
 COARSE UP/DOWN
 FINE UP/DOWN

ATPC THRESH LOW DIF** XX
 ATPC THRESH HI DIF*** XX

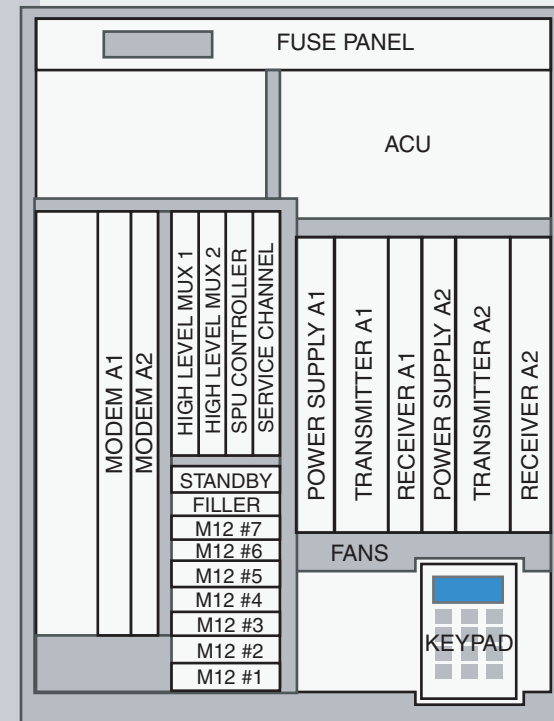
* Be sure to enter exactly 7 digits for the frequency. For 11 GHz systems, enter 8 digits.

** Default: 5dB

*** Default: 17dB

LAYOUT

(HOT STANDBY TERMINAL - 28 DS1)



24 Hour

TECHNICAL SUPPORT

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