

Introducing TransView[®] Embedded Web Server Based Transmitter Monitor and Control System!

TransView[®] enables local and remote operators to monitor, troubleshoot, and control their transmitters via a Browser Client Server hosted on board the transmitter. The transmitter itself serves the web pages, viewable from any computer web browser without installing any software! While working in the broadcast facility or from home, the operator can see and completely control their transmitters by accessing the TransView[®] enabled RF network. Using a simple web based GUI, all critical transmitter operating parameters can be monitored, faults analyzed, operating mode selected, frequency changed (On HSD Models), and protection modes reset.

Log Out Control Config Transmitter Configure Remote Set Password Graphics Logs

The EMCEE Embedded Web Server Remote Control Unit allows for complete status monitoring and control of the transmitter's operating mode, fault conditions, analog measurements, logic control, and frequency of operation on HSD Series Models. No special software is needed to use the embedded server...just a standard web browser. The buttons across the top of the page provide navigation to the remote configuration pages, logging set up & files, and authentication screen.

Test drive the remote to view the functions and features of the control!

HSD-5000 Control and Monitor			
HSD-5000 Status Transmitter On	OPERATE	STANDBY	System Time 13:34:27
Forward Power % 100.1	I.F. Lock NORMAL	L.O. Lock NORMAL	10 MHz Reference INTERNAL
Reflected Power % 1.9	Amplifier Fault NORMAL	Over Temp Sensor NORMAL	Internal Temperature °C 23.0
VSWR RESET	VSWR Overload NORMAL	+12 Volt P.S. 12.1	-12 Volt P.S. 11.9

Current Center Frequency in MHz 2599 Enter New Center Frequency in MHz

Confirm Change Of Transmitter Frequency ? CONFIRMED

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WORLD LEADER IN LOW POWER TELEVISION TRANSMISSION

TransView[®] provides an internet connection through a standard RJ45 connector. USB connectivity also provides PC connectivity with mass storage functionality. The built in web server provided for control and monitoring with complete status change and fault logging. In addition, the embedded control/server system also provides an RS-422 connection for custom external control systems through a DB-9 jack on the rear of the transmitter.

The TransView[®] functionality is hosted on the EMCEE RCB-2 remote control board with its embedded processor and TCP/IP stack. A graphical representation of the entire transmitter core is provided in a single view, and allows "push button control" even over a low-bandwidth connection. Access to the web page is password protected to insure positive control. Multiple transmitters may be connected together with a simple and inexpensive Ethernet hub. Transmitters are configured with either a private or public IP address and DHCP is supported with the embedded TCP/IP stack.

The system provides an onboard real time clock with backup power. An internal event log captures control changes and fault events. All functionality is simply "Plug and Play".

Displays and Controls

- Displays Transmitter Model #
- Transmitter Status
- Forward Power Metering
- Reflected Power Metering
- Transmitter ON/STANDBY Control
- VSWR Reset Control
- System Time Display
- Internal Temperature Display
- I.F. Lock Status Indicator
- L.O. Lock Status Indicator
- 10 MHz Reference Indicator
- Amplifier Fault Indicator
- Over Temp Fault Indicator
- VSWR Fault Indicator
- + Power Supply Monitor
- - Power Supply Monitor

TransView® Embedded Web Server Based Transmitter Monitor and Control System— Additional Product Description

TransView® supports a fully functional IP stack. DHCP is also supported. The engineer can opt for a static IP address if desired.

SendMail is also supported, to e-mail fault and status event logs to an operator defined designated recipient.

This page also displays the Transmitter Control Board and Web Server Board serial numbers and MAC Address. This is used for remote updates. Software updates can also be loaded from the on board SD Card.

The TransView® event logging monitors all changes in operating logic status, and changes in analog levels which fall out of normal operating parameters.

E-mail is automatically dispatched to an attendant mail address with the event notification.

Logs may be stored indefinitely or cleared by the Engineer with the “Clear Logs” button on the Logs page.

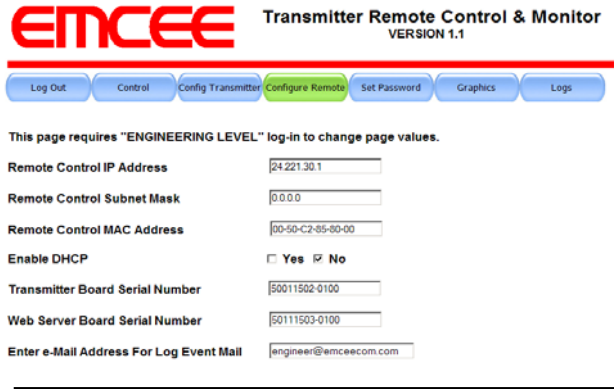
All transmitter logs are stored on the SD card located on the Web Server Board.

TransView® supports three levels of secure log-ins.

- Engineer
- Technician
- Attendant

Only the Engineer log-in (or Factory) can make configuration changes to the Remote Control. The Technician may put the transmitter in OPERATE or STANDBY.

Password changes are accomplished only at the Engineer level log-in and may be updated at any time.



EMCEE Transmitter Remote Control & Monitor
VERSION 1.1

Log Out Control Config Transmitter **Configure Remote** Set Password Graphics Logs

This page requires "ENGINEERING LEVEL" log-in to change page values.

Remote Control IP Address

Remote Control Subnet Mask

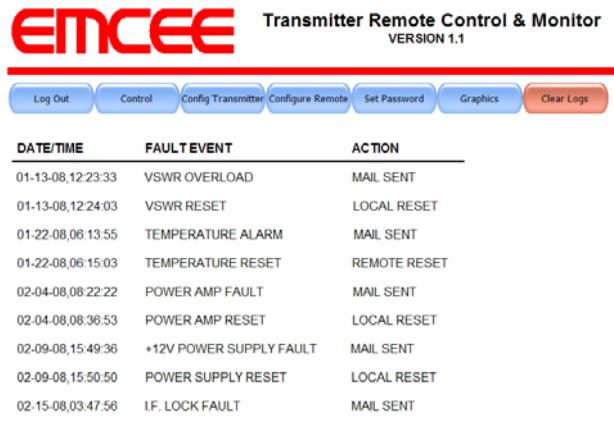
Remote Control MAC Address

Enable DHCP Yes No

Transmitter Board Serial Number

Web Server Board Serial Number

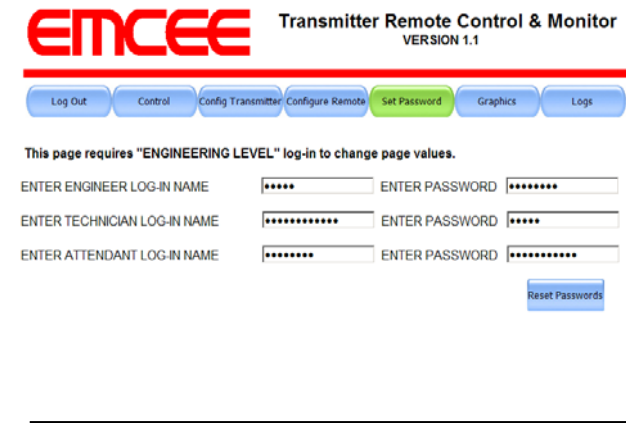
Enter e-Mail Address For Log Event Mail



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Log Out Control Config Transmitter Configure Remote Set Password Graphics **Clear Logs**

DATE/TIME	FAULT EVENT	ACTION
01-13-08,12:23:33	VSWR OVERLOAD	MAIL SENT
01-13-08,12:24:03	VSWR RESET	LOCAL RESET
01-22-08,06:13:55	TEMPERATURE ALARM	MAIL SENT
01-22-08,06:15:03	TEMPERATURE RESET	REMOTE RESET
02-04-08,08:22:22	POWER AMP FAULT	MAIL SENT
02-04-08,08:36:53	POWER AMP RESET	LOCAL RESET
02-09-08,15:49:36	+12V POWER SUPPLY FAULT	MAIL SENT
02-09-08,15:50:50	POWER SUPPLY RESET	LOCAL RESET
02-15-08,03:47:56	I.F. LOCK FAULT	MAIL SENT



EMCEE Transmitter Remote Control & Monitor
VERSION 1.1

Log Out Control Config Transmitter Configure Remote **Set Password** Graphics Logs

This page requires "ENGINEERING LEVEL" log-in to change page values.

ENTER ENGINEER LOG-IN NAME ENTER PASSWORD

ENTER TECHNICIAN LOG-IN NAME ENTER PASSWORD

ENTER ATTENDANT LOG-IN NAME ENTER PASSWORD

The TransView® Embedded Web Control System is available for any New Generation EMCEE transmitter product line, including the HSD Series, LPU Series, LPV Series, and Titanium Series as standard or optional equipment. The circuits boards are field installable and are supplied with a complete kit of installation accessories including hardware, connectors, and cables.

Contact the factory for additional information, specifications, and pricing.

**Specifications and functions subject to change without prior notice!