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This Month:

NEW WEBSITE AND DOCUMENTATION



NAB2005
THE WORLD'S LARGEST ELECTRONIC MEDIA SHOW

Philippines
Radica installs the Davicom
MAC system at K-Lite 103.5

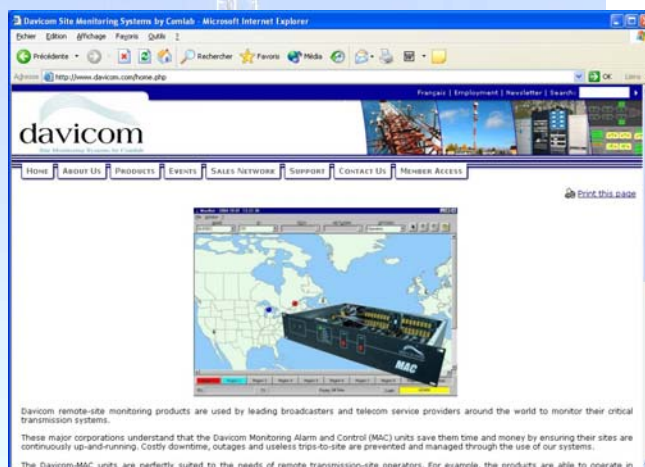
SOFTWARE, FIRMWARE AND HARDWARE UPGRADE POLICY

Davicom offers a 15% discount to current users wishing to upgrade to the 56K communications board (CMIP4-B), the MAC 1-MB processor board (CCMO3-B) and the optional IP module (MSIP). In addition, an upgrade policy for the new customisable MacComm version 4.20 was established Oct 1, 2004. Note however that all s/w and f/w upgrades are free for a 1 year period after purchase. Contact us, or your dealer, for specific details.

BRAND NEW WEBSITE

The Davicom Website has a brand new look. Check it out at www.davicom.com

You will also find several new Service Bulletins and FAQ's in the Support section.



Service bulletin # 15
Using a USB-to-Serial Port Adapter with a MAC

Service bulletin # 16
Using various Analog Sensors with a MAC

Service bulletin # 17
Delays on MAC Power Failure Detection

Service bulletin # 18
MAC Serial-Port Access to External Equipment

Service bulletin # 19
MAC-to-User Traps

Service bulletin # 20
MAC-to-MAC Traps

Service bulletin # 21
Heat Sinking of the 5 VDC Regulator on MAC Units

Service bulletin # 22
Use of the Factory-Supplied Calibration Connector(s)

Service bulletin # 23
Communication Board Replacement

Service bulletin # 24
TS4085 Temperature Sensor Connection Procedure

MACCOMM DEMONSTRATION VERSION

A demonstration version of MacComm v4.20 and a PowerPoint presentation highlighting its new features are available for download from our website Support page. Contact us to get your free 30-day activation code.

Note that MacComm is backward compatible with all MiniMAC/MAC hardware versions, but MAC firmware is hardware dependent.

LATEST SOFTWARE / FIRMWARE VERSIONS AND MANUALS

You can now download an addendum to the MiniMAC and MAC System User Manual Version 4.1. In this addendum, you will find specific details regarding MacComm Version 4.20, including new features, operation and configuration of the new customisable user interface.

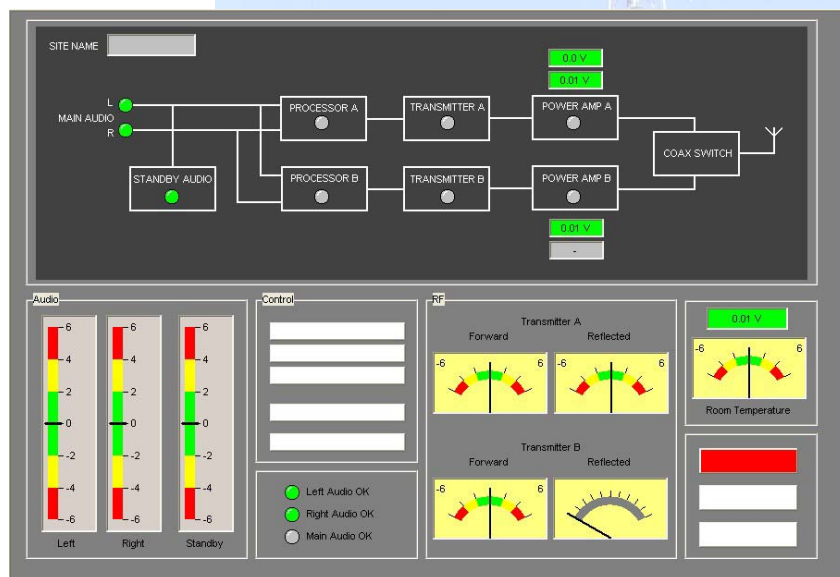
Latest MacComm and MAC firmware & utilities available for download are:

- MacComm V4.10.0 (free)
- MAC/MiniMAC Firmware and Utilities Version 4.10.2 (Modem/IP) (free)
- MAC/MiniMAC Firmware and Utilities Version 4.10.1 (Hayes/IP) (free)
- MAC and MiniMAC Firmware and Utilities Version 2.42.4 (Modem) (free)
- MacComm Software Version 4.20.0 (contact us for details)
- MacNet Software Version 4.00.1 (contact us for details)

Note that bridge firmware version 2.42.4, for older 256KB processor boards, is included with the latest firmware, but is still posted separately. The bridge firmware is also required to upgrade to version 3 and 4 firmware.

MAC + DEMONSTRATION KIT

The Davicom MAC+ Demonstration Kit is comprised of a MAC+ Unit (MAC8+0103) and a Mimic Panel enclosed in a carrying case. Designed as a user-friendly module, the Davicom MAC+ Demonstration Kit is a useful tool to help sales representatives introduce and highlight the features of the MAC+ Unit to potential customers. The Mimic Panel simulates operation of equipment commonly found in a typical RF transmitter site. The Mimic Panel feeds eight analog inputs, four status inputs and four relays on the MAC+ Unit. Upon delivery, the MAC+ Unit is preconfigured to operate with the Mimic Panel.



NEW TEMPERATURE SENSOR

The new Comlab TS4085 temperature sensor replaces the previous S-TEMP sensor device. The TS4085 unit is available in both indoor (TS4085-I) and outdoor (TS4085-O) versions, and has a temperature measurement range of -40°F to +185°F (-40°C to +85°C). Typical measurement accuracy is ±1.8°F (±1°C).

Designed as an add-on for the Davicom MAC and MiniMAC remote monitoring units, the TS4085 can however be used with other equipment. Screw-mounting holes allow both versions to be easily attached to wood and metal surfaces.

The nominal supply voltage for the TS4085 is +12Vdc, but all units will operate with input voltages from +6Vdc to +15Vdc. Its typical output signal varies from +0.85Vdc to +2.05Vdc over the operating temperature range.



MAC INPUT/OUTPUT KIT

The MAC uses industry-standard 50-pin Champ connectors for all its I/O needs. The MAC I/O Kit is an interesting alternative to making-up your own wiring harnesses. The kit represents a neat and convenient way to connect to the back of your MAC unit(s), saving you the trouble of making up your own 25-pair cables.

Note that MiniMAC units do not require any MAC I/O Kit.

Each kit includes a rack-mount breakout panel with all MAC signal connections, and two 2-meter cables with straight 50-pin Champ connectors that interface with the back of MAC units.

All of Davicom's 25-pair cables are soldered to the Champ connector and not crimped. This ensures excellent low-resistance contacts that reduce noise and intermodulation products often associated with crimped contacts in environments where high RF levels are present. Davicom recommends that crimped-contact connectors not be used for audio and video connections in these environments.

Features:

- ✓ Saves time and effort during installation and set-up at the site since you do not have to make up and debug your own 25-pair cables;
- ✓ Minimizes connection errors since I/O signals (input, output and relays) are easily accessed and clearly marked on the panel;
- ✓ Facilitates troubleshooting of wiring problems;
- ✓ Provides access to a ready low capacity source of 5 and 12 VDC from the MAC unit.

Davicom will be attending the following events in the coming months

Come See Us!



National Association of Broadcasters
April 16th to 21st 2005
Las Vegas, NV, USA
Booth N1100



June 14th to 17th 2005
Singapore



International Broadcasting Conference
September 8th to 13th 2005
Amsterdam, NL



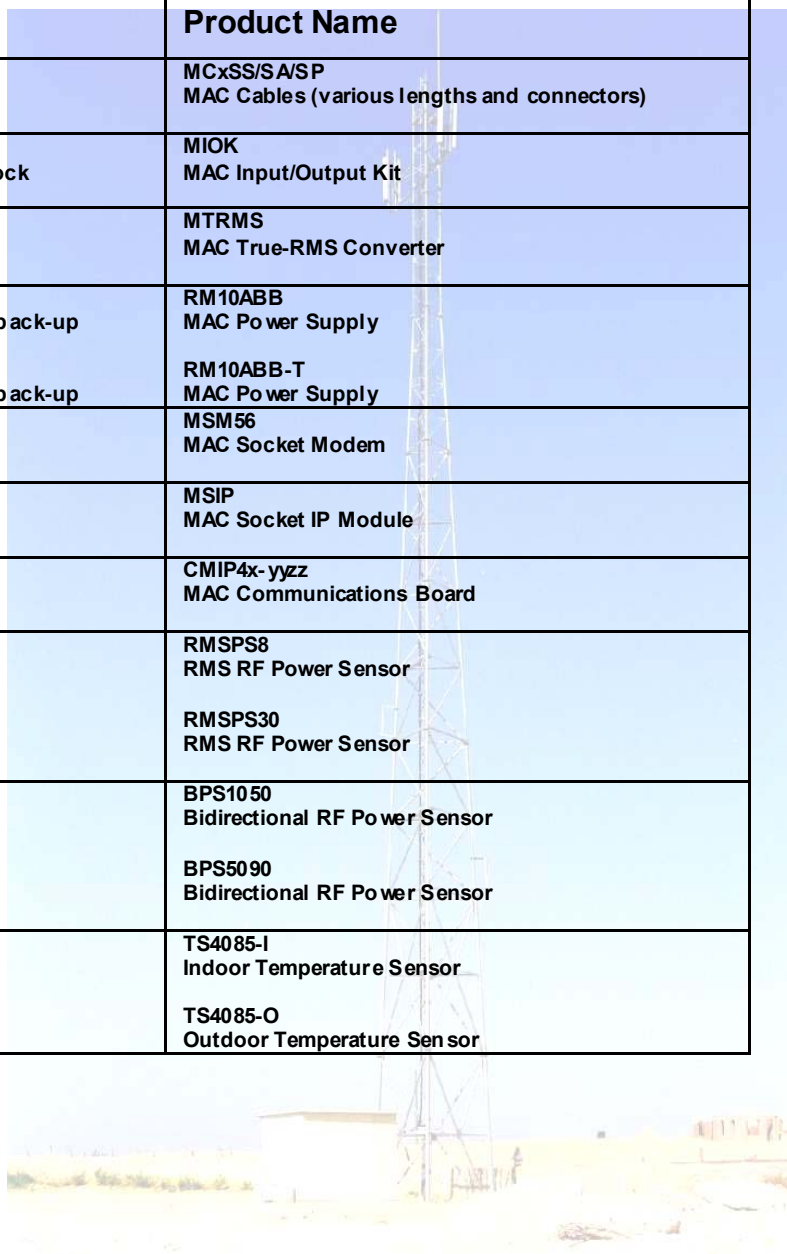
Central Canada Broadcast Engineers
Conference
September 15th to 18th 2005
Barrie, ON, Canada

NEW DAVICOM AND SCIENTEL PRODUCTS CODE LIST

We recently refreshed our product codes in order to better describe each of our products. The following list presents the new codes that must be used for future orders.

Former Code	Product Name	New Code	Product Name
Scientel			
BTDPVP	Rack-Mount Tray	SRMT-01	Scientel Rack-Mount Tray
BTDPVP-PS	Rack-Mount Tray with Power Supply	SRMT-01/PS	Scientel Rack-Mount Tray with Power Supply
Davicom			
MAC	monitoring unit	MAC+	Monitoring, Alarm & Control Unit
MiniMAC	non-expandable monitoring unit	MiniMAC+	Monitoring, Alarm & Control Unit
MacNet		MacNet	Multi-Site Alarm Management Software
MacComm	Site communication software	MacComm	Communications Software
		MDK1	MAC Demonstration Kit (for dealers)
SIMSITEB	Site simulator including internal universal supply	MSSIM	MAC Site Simulator
MACEXP-B	Expansion kit	MEXPK	MAC Expansion Kit
CCMOB-ADD	Additional conditioning card	MCKK	MAC Conditioning Card Kit
BORNIERI/OMAC	Terminal block	MIOP	MAC Input/Output Panel

Former Code Product Name	New Code Product Name
CABMACxy Interconnecting cable	MCxSS/SA/SP MAC Cables (various lengths and connectors)
MACBI/OKIT Interconnecting cables with terminal block	MIOK MAC Input/Output Kit
MAC-TRMS True RMS detection option	MTRMS MAC True-RMS Converter
RM-10A-BB/P Rack-mount power supply with battery back-up	RM10ABB MAC Power Supply
RM-10A-BB-MIN Rack-mount power supply with battery back-up	RM10ABB-T MAC Power Supply
SFV56K Model plug-in module	MSM56 MAC Socket Modem
IPCOMM IP plug-in module	MSIP MAC Socket IP Module
CMIP3-xyzz Communication board	CMIP4x-yyzz MAC Communications Board
MPRMS8DB Power Monitor (True-RMS)	RMSPS8 RMS RF Power Sensor
MPRMS30DB Power Monitor (True-RMS)	RMSPS30 RMS RF Power Sensor
MP1050 Power Monitor	BPS1050 Bidirectional RF Power Sensor
MP5090 Power Monitor	BPS5090 Bidirectional RF Power Sensor
STEMP Temperature Sensor	TS4085-I Indoor Temperature Sensor
STEMP Temperature Sensor	TS4085-O Outdoor Temperature Sensor



NEW INSTALLATIONS

**Royal Canadian Mounted Police
(RCMP) Yukon**

The RCMP recently added a new MAC+24-0103 to their current Yukon network of Davicom MAC remote monitoring units. This new acquisition is part of the RCMP's on-going program to upgrade and modernize their remote communications facilities. Their public security radio network is spread out over large territories of rugged and sparsely populated regions throughout Canada.



Yukon Territory (M Division)

**Canadian Broadcasting
Corporation**

The Canadian Broadcasting Corporation recently added 15 new MAC+ units, 40 Audio Video Switchers and 40 Dual Audio Presence Detectors to their large network of Davicom and Scientel remote control and monitoring equipment.



K-Lite 103.5 in the Philippines

Radica installed the Davicom MAC telemetry system at K-Lite 103.5 in the Philippines. The unit sits in the racks room, 36 floors above the station's studios in one of Makati City's skyscrapers. The LAN/landline-linked unit monitors the status of the station's audio output, their 30kW transmitter and antenna system, as well as allowing remote control of the transmitter from the comfort of the offices below.

Radica's Alan Brown also addressed the technical committee of the Kapisanan ng mga Brodkaster sa Pilipinas (Association of Broadcasters of the Philippines) on the many benefits of site telemetry, and demonstrated a unit to engineers (right) from K-Lite, and Broadcast World (Philippines) Systems Inc. who exclusively represent Davicom's telemetry products in the Philippines.

