The external connectors:

Power Socket		12v DC Power input
Ethernet	RJ45	For connection to a network
USB		For connecting USB peripherals
VGA	15wayDSub	For connecting an external monitor
Foot switch	2Pin	For connection of a foot switch
Auxiliary Socket	DB9F	For external modem connection
Microphone Socket	RJ12	For connecting an external mic
Loud Speaker socket	3.5MM Socket	For connecting an external speaker
Line Socket	RJ45	For connection of four-wire land line
Headset Socket (Side)	RJ11	For connecting a headset
Handset Socket (Side)	RJ11	For connecting a handset

Specification

Power supply:	12volts 1 amp DC
Dimensions:	250(h) x 220(w) x 120(d) mm
Line interface:	4wire -2 to -22dBm.
Record Level:	-10dBm
Auxilliary Level:	-10dBm

In the interests of continued development, A.W. Communications reserve the right to change this specification without notice.

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A.W. Communication Systems Ltd.

IP Based Desktop Radio Controller - DRC*ip*

- LCD Colour Touch Screen
- IP Connectivity
- Handset, Headset and Desk Microphone Options
- Auxiliary Port
- User Configurable
- Analogue Conventional Port

The DRC*ip* control unit is housed within an ergonomically designed compact and robust case with a vertically mounted 7 inch LCD touch screen and is complete with a telephone-style handset and external power supply unit.

Based on a Linux operating system the DRC*ip* is a powerful and unique communications controller. The unit will also act as a desktop controller to the AWCSL TRICX IP based communications switch.

Interface to the DRC*ip* is via connectors found in a single row at the back of the case, thus permitting tidy and concealed wiring using the designed cable strain relief to the back of the unit. The front panel has five tactile push buttons and a touch screen interface.

All of the features are only possible with the DSP technology employed within the DRC*ip*, which can accommodate customer-specific requirements with the minimum of disruption.

Mounting

The DRC*ip* has been designed with flexibility in mind. It can be wall mounted or used on a desk with three different angles of use available depending on the working environment.

It can be laid flat on the desk as it comes out of the box. For a low angled user interface there are two small feet on the reverse of the unit that can be lifted up and locked into place. These are easily released to fold flat again using the button located at the head of each foot. For a more raised user interface of about 45 degrees, the light grey stand needs to be attached to the rear of the unit. The stand (stored on the back of the unit and slides off downwards) holds the screws and key required for fixing to the unit.

Setup

The DRC*ip* is set up and configured using the options found in the menu section. User settings are instantly accessible from the menu while administrator settings require a password. When the menu button is first pressed a list of user level audio settings is shown. These can be moved using the slider bar, or by tapping the blue space either side of the slider bar. The mic source option in this list selects the source of the audio for the red PTT button on the front of the unit.

To login to the DRC*ip* for further configuration, the initial factory password is 'DEFAULT'. This should be changed when the unit is first set up. Any changes made to the unit will only be effective after a reboot, the reboot button being found in the menu screens.

When changing the IP address, the current address is always shown in the box but the new IP address to change to will be shown in red.

The option to configure channel buttons can be found in the Global tab of the menu. When 'configure channels' is selected you are presented with the main screen again and can choose each channel button in turn to configure using the options shown when a button is selected. Any changes made to the channel buttons will only be effective after a unit is rebooted.

Use

The colour of the buttons on the DRC*ip* main screen indicates the status of each channel. For radio buttons pale green means that the channel is unmonitored. One press of the button turns it blue to indicate a monitored channel. An orange button indicates a selected channel. A monitored or selected channel that has COR on is dark green. Pressing the button in either selected or monitored mode toggles the channel between to two states. To un-monitor the channel, press and hold the channel button when in monitor mode.

Phone channel buttons work in a similar manner but cannot be monitored. When one is selected however the dial pad is shown on the screen. This can also be toggled on and off using the Dial button. To initiate a call, the Call button is used, and the Close button used to close a call. If there is an incoming call then the phone line button will flash orange, and can be pressed to answer the call.

Future Proof

In common with all AWCSL products, the DRC*ip* with its inherent flexibility can be used as a stand alone desk top dispatch controller. Similarly, it can be used in the more complex switched based control room applications by connection to the TRICX switch equipment. This unique design concept ensures that the family of control equipment from AWCSL is flexible and the most cost effective solution available today.