

# Technical Service Bulletin

Product: Modem/CSMW  
Purpose: Provide modem configuration for remote access to Ascom DECT(1900+) & PWT systems.  
Date: 4/4/2007

## Modem configuration for remote access to Ascom PWT and DECT (1900+) systems

### General

Remote access to an Ascom PWT or DECT (1900+) Freeset system is provided by using the following products.

Cordless System Manager for Windows (CSMW) –REX-MTC9022  
Modem Cable – TSR 951282  
CPU Cable – TSRNB 101 22-D  
MultiTech Modem – 7006-1001-11  
HyperTerminal (Microsoft Windows Product).

HyperTerminal is used to configure (initialize) the system side modem. The system side modem is the modem that is connected to the Freeset system and is used to allow remote access to the Radio exchange for maintenance purposes. CSMW is used by the maintenance technician or by Ascom TAC to access the system side modem for maintenance procedures.

Over the years there have been several versions of the modem provided by Ascom under the part number 7006 1001 11. These are:

MultiTech MT 2834ZDXB (33.6)  
MultiTech MT5634ZBA (V.92)  
MultiTech MT5600ZDX (V.90)

All of these are functional with the Freeset system. All of these modems must be configured before they can be used.

### Modem configuration

Start the modem configuration by setting up HyperTerminal for 9600 Baud, 8 data bits, no parity, and 1 stop bit (8/N/1). Connect a serial cable between the PC running HyperTerminal and the 25 pin connector on the back of the modem.

Turn on the modem.

Type at to get the modems attention.

The modem response should be ok.

Enter the following command string one line at a time. The modem response after each entry should be OK.

AT&F0	sets factory default
AT&W1	clears user settings
AT\$SB9600	sets baud rate of serial port between modem and RE.
ATS0=1	sets ring answer to one ring
AT&D0	ignores DTR
AT&W0	saves all settings

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Turn the modem off for 30 seconds and then turn it back on. Verify that the changes are still there.

With the MT2834ZDXB modem this is done using the following commands:

```
ATL5
ATL7
ATS0?
```

With the MT5600 and MT5634 modems there are some command changes. The ATL5 and ATL7 commands are not supported any longer. Instead, use the AT&V command. Scroll down through the parameter list to verify the settings. You will not see AT&D0, instead you will see AT&D, but after that it will say ignore. This is the equivalent of AT&D0. Complete the checking of parameters on these modems by sending the ATS0? command.

## Connecting the system side modem to the Freeset system

The CPU cable is connected to the PC connector on the MCCB board on the bottom of the Freeset cabinet. The modem cable connects to the other end of the PC cable. The 25 pin end of the modem cable connects to the modem. Connect the modem power supply. Connect an analog line to the Line jack on the back of the modem. Turn the modem on.

Have someone dial into the modem using the Ascom CSMW product to verify that the system can be accessed.

## Additional Information

If you have any questions about this bulletin, please contact Ascom Technical Services at 1-877 71ASCOM (1-877-712-7266) option 3.