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Information Sheet

Dragon Naturally Speaking and PROG send_ir.exe

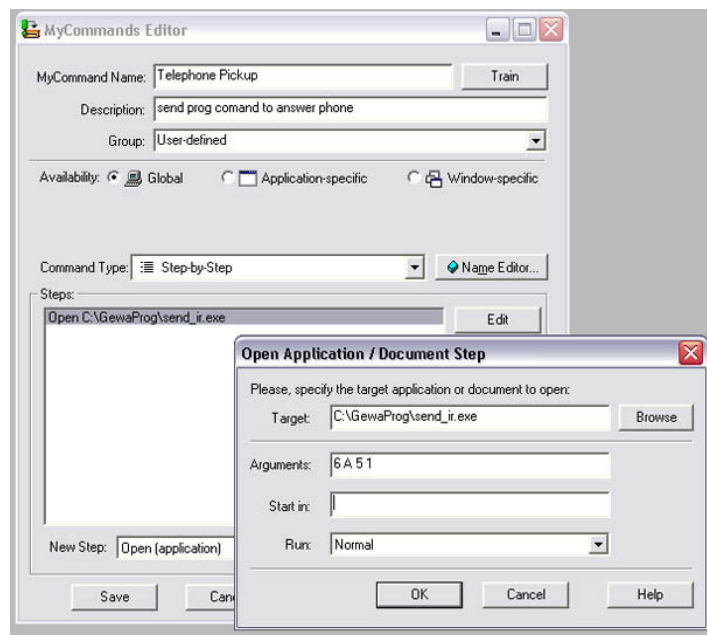**Environment Control using Dragon Naturally Speaking and send_ir.exe with a PROG**

This document describes one method of controlling a PROG by voice with Dragon Naturally Speaking. **send_ir.exe** is a small program that allows Naturally Speaking to send serial commands via the COM port to the PROG. The serial command can include the PROG level, button, duration of IR transmit and COM Port No.

Setup

1. Install and setup Dragon Naturally Speaking (Must be the Professional Version)
2. Download and save **send_ir.exe** to your hard drive – in the following example **send_ir.exe** is saved to C:\GewaProg\
3. Connect your PROG to your computer via a PROG Cable (Serial or USB cables available)

Programming

1. Start Naturally Speaking and go to 'Tools' 'Add New Command'
2. Give your command a name and description
3. Train Naturally Speaking to recognise your voice for this command
4. Select 'Step-by-Step'
5. Select 'Open (application)
6. Select 'Insert' and fill in the 'Target:' and 'Arguments:' as required
7. Repeat this procedure for every command you wish to send to the PROG

In the above example, Naturally Speaking will send the following command:
C:\GewaProg\send_ir 6 A 5 1
This will transmit PROG key A on level 6 for about 0.5 seconds on the PROG connected to COM-port 1. When used with the TSPhone and Phone Controller, this will answer an incoming call.
The correct syntax is:
SEND_IR nn kk rr p
nn = Level of Gewa Prog [1,2,...,10]
kk = Key on Gewa Prog [1,2,...,9,0,*,#,A,B,C,D]
rr = Number of repetitions [1,2,...,255] (10 repetitions per second approx.)
p = Selection of COM-port [1,2,3,4]

Sending Multiple Commands

The Naturally Speaking Command Editor can be used to send multiple commands to the PROG within a single command. In the following example, The PROG is being used to operate an X10 Appliance Module No. 3 which has the desk lamp plugged into it.

It is necessary to first send the X10 Module No. (PROG Level 10, key 3) and then the X10 'ON' command (PROG Level 10, key *) The Wait command allows time between commands for the PROG and X10 equipment to respond – you may need to experiment with this pause to achieve reliable operation.

1. Create first command as in steps 1. to 6. above
2. Then in 'Next Step' select Wait and 'Insert' a pause
3. Finally Select 'Open (application) again and add your second command