System Chart of the Remote Control System of Radio Amateur Station

by JR1MAF in July 2009

Transceiver (YAESU FT-817ND)

Antenna Rotor (EMOTO 1200FX)

Homebrew Antenna Rotor Controller (USB-An/Kit from Km2Net)

Homebrew AC Power line Controller (USB-IO/Kit from Km2Net)

Web camera

Router

Comm. line

Server PC

USB

MIC

SKYPE

Ham Radio Deluxe

(Send/Receive audio)

COM1 (Control PTT)

OUTLOOK

(Dynamic DNS service)

COM2 (Control FT-817ND)

Digital Sound CW

(CW operation)

COM3 (CW keying)

MMTTY

(RTTY operation)

Homebrew AC P/L control software

MMSSTV

(SSTV operation)

Ultra VNC (Server)

Beam Controller

(Control the antenna rotor)

Homebrew AC P/L control software

(Control the AC power line)

Ultra VNC (Server)

(Direct operation to the server PC from the mobile PC)

Mobile PC

MIC

Ham Radio Deluxe

(Control the transceiver)

(Send/receive audio. Video monitor of the radios.)

SPEAKER

SKYPE

HEADSET

Ultra VNC (Viewer)

(Operation of antenna rotor. Video monitor of the radios.)