User Manual

Multivoie Pad

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1 OVERVIEW :

Multivoie Pad is a device with a touch screen directly plugged to a Multivoies sytem. It allows to configure the system, dump the data, and view real time measures.

It provides a SD-card reader to dump the data in a tsv file, which can be read by any computer.

The Multivoie Pad is powered by the Multivoies System with an rj11 wire.



2 HOME SCREEN :

This is the screen displayed at the start. It shows automatically the serial number and the name of the concentrator, the voltage of the 3 phases, the clock, the time period of recording and the serial numbers of all the modules detected.

Show the serial number and the name of the concentrator, the voltage of the 3 phases and the recording period. Touch this area to configure the time period of recording.(cf Erreur ! Source du renvoi introuvable.)						e of the ses and eriod of renvoi	Display the clock, touch to set up the system clock.
MEGAWA v1	77 SN 00 Mu 23 Chan1	010013 1tivo 34.6V Chan2	257 Pe ie2 234.6V Chan3	234.6V Chan4	09/1 05 : 1 Chan5	12/14 11:57 Chan6	List of real-time powers for each channel of all modules. Touch a frame to display the channel configuration screen
00005042	599	2	-2	0	2	1793	
							Go to the dumping data screen.
	READ	DATA	REC	CONFIG	<u>G</u> P	RS	The « reconfig » button allows you to initialize the configuration: all the channels get crossed out until the user set the phase of each channel.
List of m with arro of 6 mod to the sy	odule w nav ules a stem.	serial vigatio are plu	numbe n if mo gged	ers ore			GPRS module configuration

3 ADVANCED VIEW OF A CHANNEL:



4 WAVERFORMS



5 **INITIALISE A MULTIVOIES SYSTEM:**

Once the connections are correctly set up, each channel phase must also be set. The « reconfig » button allows you to initialize the configuration: all the channels get crossed out.

OMEGAW	0477 SI 0100 M	NO1001 ultivo 132.6V	257 Pe ie2 232.6V	er:5mi <u>232.6V</u>	n 09/ 05:	12/14 09:50	MODULE	CHAN
Module	Chan1	Chan2	Chan3	Chan4	Chan5	Chan6	0 Watts	OVAr
00001127	0	602	0			1205	231.7 Volts	OVA
00005042	505		-2			1780	112296 Wh	0.01A
							NAME: Voie1	PF: 0.00
							PHASE: <u>1 2 3</u>	
\bigtriangledown	REA	D DATA	RE	CONFIC	GI	RS	CLR kWh CLR ALL kWh	ок ок

To set a channel, select it. The line concerning the phase is crossed out. After choosing a phase, the line is no longer crossed out.

6 CLOCK SETTINGS



Choose the new date and time using the numeric keys. The cursor moves forward every time you enter a new number. The left and right keys allow you to move back and forth.

Press OK to confirm the new time.

7 SET THE TIME PERIOD OF RECORDING

In order to set the recording period of the Multivoies system, you need to press the concentrator information's displayed on top of the screen.

Simply select the new period in the frame and press ok.

1sec	2sec	5sec	10sec	15sec
20sec	30sec	1min	2min	5mir
10min	15min	60min		

Note: With Multivoie system, data are continuously recorded. A period change creates a new line in the data file with the time the change occurred.

8 DATA FILE DOWNLOAD

In order to dump the data, you must insert an SD card in the device. Touch the "Read data" button to access the data-dump screen.

Touching "Read Data" will begin the dumping sequence. Do not remove the SD card during the dumping process.

Once the dumping is over, the "CLR DATA" button become available. It allows you to reset the Multivoies system's memory.

	Number of records.
Number of data: 337 Free memory: 99%	Free memory. When reaching 100%, the oldest data will be overwritten by new ones.
File : 1257_000.CSV DO NOT REMOVE THE SD-CARD	File name on SD-Card. Touch to modify. (with default name "SN concentrator"_xxx.tsv)
Progression 26.1%	Shows the progress of the dumping process
CLR DATA CANCEL OR	Touch to initialize the queters memory
	enabled after the end of the dump.

9 CONFIGURATION DU MODULE GPRS

Note: Before using GPRS module, you must create the correct folder on the ftp server:

"FTP folder set in GPRS module" \"Concentrator SN" \ </br>(example : 000201001224)

The GPRS module list must be up to date (button UPD. LIST)

9.1 Main screen

V114 CPRS_LIST_OK UPD_LIST	The first line shows you if the list of modules stored on the GPRS matches the ones of the Multivoies system. Here, the list is not up to date. You must press "UPD. LIST" to update it. This is very important, as data will not be transmitted if the list is incorrect.
CALL TIME : 04:23	Shows the call time, touch to set.
GPRS CLOCK : 10/12/14 16:43:07	Shows the GPRS clock. Touch to access the GPRS clock screen.
DATE OF LAST DATA UPLOAD: 10/12/14 10:10:00	Date of the last record sent to the ftp server.
APN: free CSQ:14.99 FTP CONFIG FORCE SEND OK	APN is related to the mobile network operator in use and thus to the SIM card.
	To force an upload.
	To configure ftp settings.
	CSQ show the mobile connection level.

9.2 FTP Settings :



9.3 Call Time settings

	Set the hour with the help of the numeric pad.
0 1 2 3 4 5 6 7 8 9 NR UPLOAD:	Upload frequency : -Once by day. -Twice a day: the second call occurs 12h after the first call. -Every hour: the call occurs on the minute set.

9.4 GPRS clock settings



10 FIRMWARE UPDATE

To update the screen, put the file UPDATE.hex into the root directory of the SD Card.

Then insert the SD card into the screen **unplugged**. Plug the display, the screen remains white for around 20s, then restart and shows the home screen.

The file UPDATE.hex is automatically deleted after the successful update.