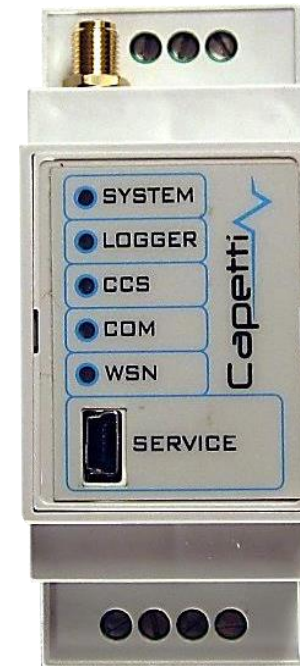


MWLI-MB

TECHNICAL ASSISTANCE:

eMail ufficiotecnico@capetti.it
Phone +39 01198198238
Mobile +39 3331985070

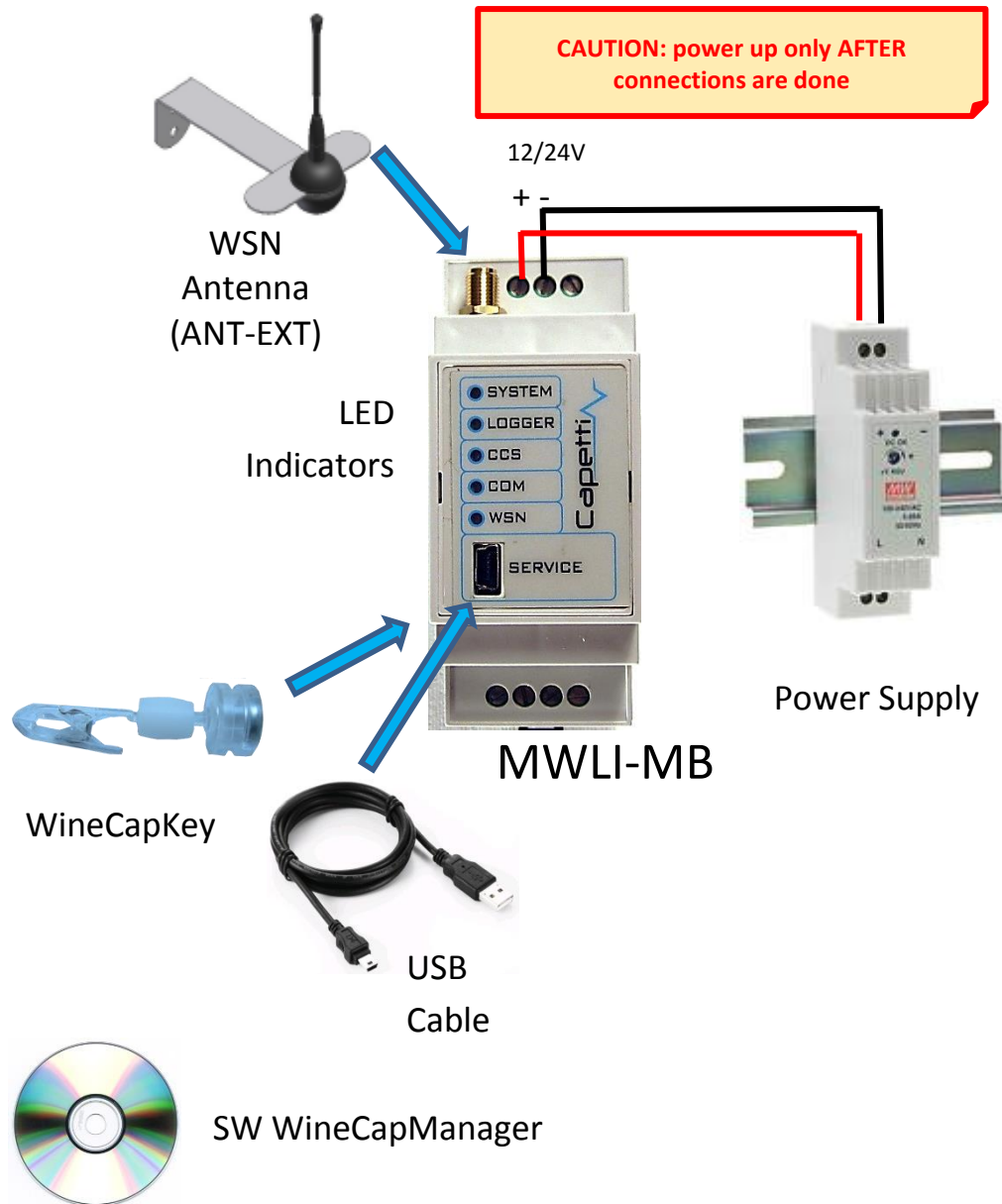
QUICK GUIDE



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SYSTEM COMPONENTS

NOTES



NOTES

TERMINAL BLOCK




J1	Vin
1	P.E.
2	GND
3	12/24 Vdc

J6	Modbus
1	N.C.
2	MB A+
3	MB B-
4	GND

LED DESCRIPTION

LED	
System	System indicator: slow flash=ok rapid flash=probe enrolling
Logger	Not used
CCS	Not used
COM	Not used
WSN	Wireless Sensor Network Green=receiving measures Red= ongoing transmission

WINECAP MANAGER

1. LAUNCH SETUP.EXE IN THE FOLDER **WINECAPMANAGER** AND RUN THE INSTALLATION.
2. RUN **WINECAPMANAGER** AND SELECT "LOCAL CONNECTION".
3. WAIT FOR THE MWDG-MB RECOGNITION
4. CREATE A NEW DATABASE, INSERT A DATABASE NAME AND PRESS "OPEN".
5. INSERT THE LICENSE FILE AVAILABLE ON CD, MENU BASESTATION  INSERT LICENSE

WAIT FOR THE AUTOMATIC
SYNCHRONIZATION OF THE SENSOR LIST
AND STATUS FROM BASESTATION TO PC.

USB DRIVER

1. CONNECT TO PC USING USB CABLE.
2. ACCESS TO CONTROL PANEL → DEVICE MANAGER AND CLICK ON MWDG-MB DEVICE.
3. INSTALL USB DRIVER MANUALLY LOCATED ON CD. FILE “MWDG_CDC.INF”
4. CLICK ON “CONTINUE” WHEN REQUESTED
5. NOTE FOR WIN8.1: IN CASE OF MALFUNCTIONS LOOK AT THE MANUAL “WIN8.X INSTALLARE DRIVERS USB RD1.PDF” LOCATED ON CD.
6. AT THE END OF THE INSTALLATION PROCESS, A NEW COM PORT WILL BE INSTALLED: “WINECAP MWDG (CDC)”

START SENSORS

1. CONNECT THE MWDG-MB AS SHOWN
2. POWER ON THE MWDG-MB AND VERIFY THE “SYSTEM” LED: GREEN FLASHING
3. ACTIVATE THE PROBE
 - A. APPROACH THE WINECAPKEY
 - B. WAIT FOR 2 FLASHES (TEST)
4. REMOVE THE KEY

Temperature
Probe
WSD00T



5. VERIFY THE LED:

LED FLASHES		RADIO SIGNAL QUALITY
	5 green flashes	Excellent
	4 green flashes	Good
	3 green flashes	Fair
	2 amber flashes	Sufficient
	1 red flash	Insufficient
	1 red flash, 2 seconds long	Out of range – network search

HOW TO INSTALL

GUIDE LINES TO FOLLOW DURING THE SYSTEM INSTALLATION PROCESS

1. POSITION AT THE INTENDED LOCATION AND POWER ON THE MWDG-MB
 - A. IF POSSIBLE, CHOOSE A CENTRAL POSITION AMONG TO THE WIRELESS PLANT
 - B. AVOID METAL OBSTRUCTIONS AND REINFORCED CONCRETE STRUCTURES
 - C. VERIFY THE GSM SIGNAL
WSN AND GSM ANTENNAS
DISTANCE MUST BE $>50\text{cm}$
2. MOVE THE PROBE IN THE SELECTED LOCATION
 - A. VERIFY THE QUALITY OF RADIO SIGNAL:
IMPORTANT: SMALL MOVEMENTS CAN HELP
 - B. OUTDOOR PROBES MUST BE PLACED UPWARD AND NORTH ORIENTED TO AVOID TAMPERING

3. ADDING ROUTERS TO EXTEND THE RADIO SIGNAL
 - A. COUPLE A ROUTER TO THE SYSTEM AND WRITE DOWN THE ASSIGNED ADDRESS
 - B. POSITION THE ROUTER UPWARD AMONG OBSTACLES AND PEOPLE
 - C. SELECT A “STRATEGIC” POINT AMONG THE PLANT
4. USING THE WDD4T TESTER PROBE
 - A. COUPLE THE PROBE TO THE SYSTEM
 - B. ACTIVATED THE TEST, THE PROBE DISPLAYS THE PERCENTAGE OF THE RADIO SIGNAL LEVEL
 - C. DECLARES THE RADIO REFERENCE IN A SPECIFIC POINT: ROUTER ADDRESS OR ZERO FOR MWDG-MB
4. MANUAL: REFER TO “WINECAP USER MANUAL.PDF” LOCATED ON CD FOR FURTHER INSTRUCTIONS REGARDING THE NETWORK AND THE INSTALLATION PROCESS.