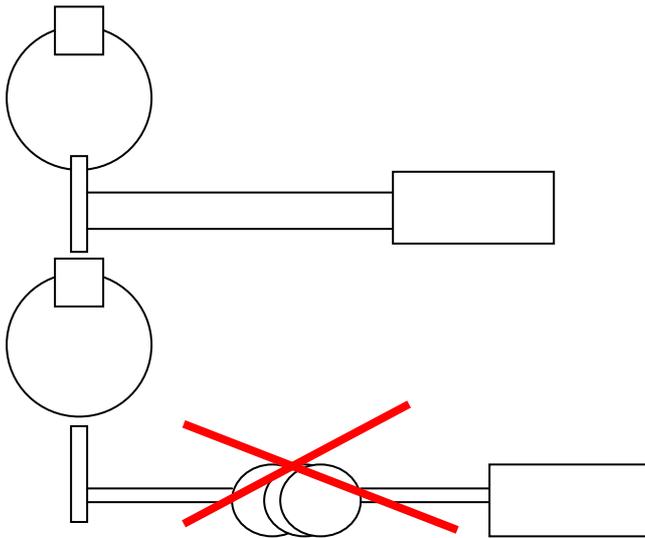


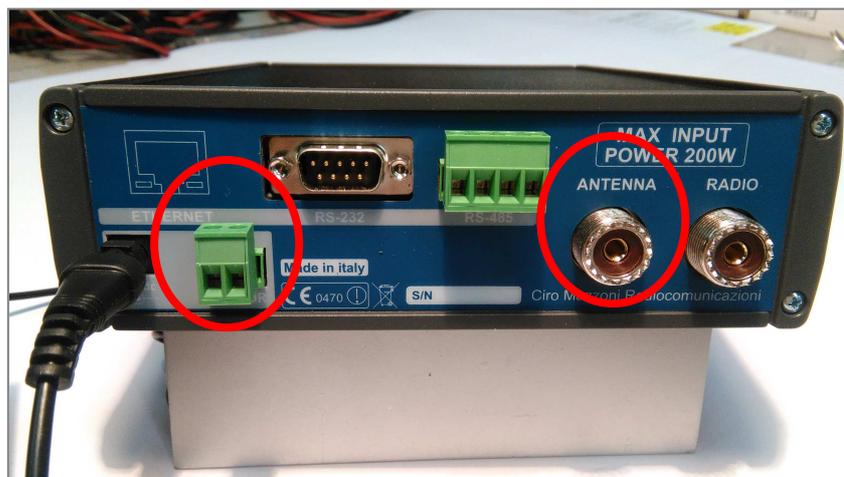
At the first turn on, the ATU is in manual mode and we can digit the frequency directly from the keyboard

Now we can try to test the proper functioning of the LOOP ANTENNA:

- positioning the LOOP ANTENNA between 1.5 to 2.5 mt. above the ground
- positioning the LOOP ANTENNA min at 2.0 mt. away from metal obstacles
- connect coaxial and motor cables to the antenna
- lay the cable without spirals



- connect the coaxial cable and the motor cable to the ATU



- connect the ATU to the radio



- turn on the ATU
- first of all you have to set your LOOP ANTENNA type
- press the - key for 3 second
- The display will show **SET FULL AUTO?**
- press the + key once. The display will show **SET ANT. TYPE**
- press **ENTER**
- Scroll through the options using the button +
- select **BABY?**
- press **ENTER** to confirm

Now we are ready to operate with LOOP ANTENNA

- press * and the display shows: **Set Frequency**
- digit on the keyboard **7050** and press **ENTER**
- the ATU turns on the RED L.E.D. and after turns on the BLUE L.E.D. when the motor starts moving
- after 5 second the motor stops and the ATU display shows the S.W.R. value

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
motor doesn't work	<ol style="list-style-type: none"> 1. the cable from antenna to ATU is fault or not connect 2. the motor cable is inverted 	<ol style="list-style-type: none"> 1. check or replace the cable 2. reverse the motor cable rear the ATU
ATU doesn't turn on	<ol style="list-style-type: none"> 1. power supply is fault 2. check the 220V ac socket 	<ol style="list-style-type: none"> 1. replace power supply 2. use another socket
Keyboard doesn't type any key	<ol style="list-style-type: none"> 1. keyboard is fault 2. check that keyboard is connected to the ATU 	<ol style="list-style-type: none"> 1. replace keyboard 2. connect keyboard to the ATU
ATU doesn't find antenna type in AUTO DETECT? mode	<ol style="list-style-type: none"> 1. the coaxial cable is in short circuit 2. the coaxial cable doesn't have the ground 3. there are some metallic structures too close to the antenna 4. the antenna is too low above the ground 5. the antenna is too high above the ground 6. the motor cable doesn't work 	<ol style="list-style-type: none"> 1. check the cable 2. check the connector on cable 3. reposition the antenna 4. reposition the antenna 5. reposition the antenna 6. check or replace the cable
the S.W.R. is too high in low band	<ol style="list-style-type: none"> 1. the coaxial cable is in short circuit 2. the coaxial cable doesn't have the ground 3. there are some metallic structures too close to the antenna 4. the antenna is too high above the ground 	<ol style="list-style-type: none"> 1. check the cable 2. check the connector on cable 3. reposition the antenna 4. lower the antenna (the right height from a flat ground is 1.5 mt)
the S.W.R. is too high in high band	<ol style="list-style-type: none"> 1. the coaxial cable is in short circuit 2. the coaxial cable doesn't have the ground 3. there are some metallic structures too close to the antenna 4. the antenna is too low above the ground 	<ol style="list-style-type: none"> 1. check the cable 2. check the connector on cable 3. reposition the antenna 4. lower the antenna (the right height from a flat ground is 1.5 mt)
the S.W.R. is too high in every band	<ol style="list-style-type: none"> 1. the coaxial cable is in short circuit 2. the coaxial cable doesn't have the ground 3. there are some metallic structures too close to the antenna 	<ol style="list-style-type: none"> 1. check the cable 2. check the connector on cable 3. reposition the antenna