

TRAC ELECTRONICS, INC.

The NEW TRAC MESSAGE MEMORY KEYER is designed for quick and easy use, either in the shack or portable.

Features of the Keyer include both Dot and Dash Memory, Sidetone with Speaker, Volume and Speed Controls, Fine Tuning of Speed and Tone, Weight Control, Tune Function, Keying for Grid Block and Solid State Rigs, Deluxe 3 Conductor 1/4" Key Jack and 1/4" Jack for Output.

Features of the Message Memory Function include two full 50 character (approx.) message memories, Store and Play Functions, Reset Function, a unique Repeat function.

ADJUSTMENTS

1. Upon receipt remove cover and check for shipping damage -- report any damage to us promptly.
2. Switch toggle on front panel to Store function.
3. Check that tune switch on rear panel is in OFF position.
4. Place battery in holder - we recommend a long life type battery.
5. Connect 3 conductor shielded cable to a 1/4" phone plug and insert in Key Jack. The Common connection to the key jack is to the TIP of the phone plug. The other two are for Dot and Dash.
6. Turn volume knob completely clockwise and operate your key to test sidetone function.
7. The sidetone pitch can be adjusted to your preference by turning with a small screwdriver the small trimmer potentiometer on the left forward of the circuit board. Once a pitch pleasant to your ear is reached, no further adjustment of this trimmer is necessary.
8. The trimmer on the right forward portion of the board is for fine adjustment of the speed. The speed has been factory adjusted but you can further fine tune it with the trimmer.
9. The keyer portion of the MESSAGE MEMORY KEYER is now properly in operating function. Connect a two conductor open circuit phone plug into the OUTPUT Jack, making sure the POS or NEG switch for grid block (NEG) or solid state (POS) rigs is in its proper position on the rear panel, and connect the other end to the transmitter or transceiver. Keep in mind that the tip and sleeve conductors must be the same for the Keyer output jack as for the rig. Use shielded cable. The output transistor for Grid block keying is a MPSA92 rated at -300 volts, 500 MA and the output transistor for solid state rigs is a MPSA42 rated at +300 volts 500 MA. Examination of the transmitter manual is advised. These specifications should be sufficient to handle most all transmitters.
10. The trimmer potentiometer on the left rear is for Weight adjustment.
11. The Volume control knob is used to switch off the battery power when keyer is not in use. In special situations where you wish to retain the entered message, the control may be turned down without switching off the power. This will substantially reduce battery life. When switched on the unit will be instantly ready to be programmed.
12. The entire keyer and message memory functions use CMOS integrated circuitry which allows battery operation. Under normal operating conditions a good battery should last approximately one year.

MESSAGE MEMORY KEYER FUNCTION

The TRAC MESSAGE MEMORY KEYER contains a CMOS 1024 x 1 Bit Random Access Memory chip which provides 512 bits in each of two message memory function states.

While the keyer function when used alone contains a gated clock, the message memory function contains a free running clock. Some practice will be necessary to get the feel of sending into the message memory portion, but in a short time you will find it easily handled. We suggest storing messages at a slightly slower speed than you intend to play them.

Messages may be entered into memory at any desired speed and played out at any other or same speed. The speed control fully controls message speed.

* TO ENTER MESSAGE

1. Switch STORE toggle to STORE
2. Switch MSG toggle to A
3. Press RESET - Turn volume up

* SEE NOTE 1

4. Press START
5. Commence sending message
6. When light goes out memory function is over.
7. Switch toggle to PLAY
8. Press RESET
9. Press START - Message plays out.
10. Always press RESET before entering a message.

*NOTE 1: When battery is first connected it is suggested that function toggle be switched to STORE, RESET pressed, START pressed and memory function allowed to play through to first clear the memory. This is only necessary when a battery is first connected, not at other times as long as battery has remained in the keyer. This should be done for Message A & B.

REPEAT FUNCTION:

If you will note, the Reset button is to be pressed before pressing START each time a message is to be played. Should you desire to automatically repeat a message, omit pressing RESET before pressing START and the message will automatically repeat one time. Example: Store in memory - CQ CQ CQ de WB2YJM WB2YJM K - flip STORE toggle to PLAY and press START. The message will automatically repeat at the end of the memory cycle.

RESET BUTTON - The Reset Button also acts as a Stop function. Thus in above example if a call comes back after the first play-press Reset to Stop before repeat.

NOTE 2: A message can be stored with gaps in it. While the message plays, the keyer can be operated to fill in those gaps. Example: QSL 579 579 _____ NY NY while the message is playing the gap after 579 can be used to send a log number, i.e. 0150.

ELECTRONIC KEYSER HINTS

In operating a keyer it is best to practice off the air until you feel comfortable at a desired speed. Start as slow as possible and increase speed as practice increases ability.

The TRAC MESSAGE MEMORY KEYSER permits iambic operation with the use of a dual paddle squeeze key.

The TRAC MESSAGE MEMORY KEYSER will bring many enjoyable hours of code sending with its built-in extra features not found in other keyers of comparable price.

Please drop us a QSL to let us know how you are enjoying the TRAC MESSAGE MEMORY KEYSER and any suggestions you might have would be appreciated.

This product has been thoroughly tested, however, occasionally a chip may turn defective causing problems in operation. This we cannot foresee or prevent. This would most likely occur within the first four hours of use - within the guarantee period. In such an event, promptly return to TRAC via UPS and we will repair on a 24 hour turnaround basis to put you back on the air.

GUARANTEE

The TRAC MESSAGE MEMORY KEYSER is fully guaranteed to the original purchaser against defects in all parts and workmanship for 90 days from date of purchase. TRAC ELECTRONICS, INC. shall have the option to repair, replace or refund the purchase price in full, concerning all claims made under this guarantee. Proof of purchase must accompany all claims made by reason of this guarantee.

BEST OF 73's

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