



**ROTHENBUHLER
ENGINEERING**

HOME OF THE *Talkie Tooter!*

NEW!!!

1100 Computer Tooter® Radio Controlled Carriage System

SAFE, RUGGED, RELIABLE!!!



The Talkie Tooter Carriage Control system can increase productivity, with safety, of employees who move logs with a motorized carriage. It remotely controls the functions of the skycar. The carriage receiver may be operated by any member of the crew – equipped with a belt-mounted Talkie Tooter transmitter, and also by the yarder operator via a transmitter mounted in the cab. There are certain functions that cannot be activated until other safeguards, i.e. set

clamp then release brake, are met – preventing accidents. All functions are initiated with the 2 pushbuttons on the transmitter.

The Talkie Tooter Carriage Control receiver is mounted inside the carriage. The weather tight receiver is specially constructed to operate reliably and consistently in this environment. The receivers provide up to 8 discrete outputs or functions. All receivers are capable of providing an audio signal to warn people in the area that the carriage is ready to move the lines.

There are different ways the 2 pushbuttons on the Talkie Tooter radio transmitter can be used to transmit signals to the receiver. The operator can press and release one button one or more times to latch certain functions “on”. The function is terminated (stop) when the same button is pressed again. Conversely, the buttons can be used to control momentary functions. In this case, the function is active only for as long as that button is pressed. As soon as the operator releases the button, the function stops. The hand-held transmitter is worn on the belt for easy accessibility. It is watertight and built to withstand the harshest working environments.

NEW FEATURES OF 1100

- Secure Digital Communications (tone pairs are no longer used or needed)
- Multi-channel with optional programmer
- Smaller and lighter receiver. Panel indicators show the relay states
- Reliable narrow-band VHF (150-174 MHz) radio performance
- Event log for troubleshooting
- Compatible with existing wiring and chargers on older carriage receivers
- Same operation so no retraining of the crew is required



SPECIFICATIONS

Transmitter (1100-3):

Power Output	500 Milliwatts
Carrier Frequency	150-174 MHz
Frequency Stability	1.0 ppm
Operating Temperature Range	-22°F to +140°F
Modulation – US	11K3F2D
Size	9" x 3.8" x 1.8"
Weight (w/battery & belt)	1.9 lbs
Battery Pack	Rechargeable NiMH
Battery Life	approx. 1 hr. TX time
Operating Range	approx. 1/2 mile

Receiver (1100-4):

Sensitivity	12dB SINAD, 0.25uV, low interference
Power requirement	12 VDC
Operating Power	500 mA maximum
Carrier Frequency	150-174 MHz narrow band FM
Frequency Stability	1.0 ppm
Operating Temperature	-22°F to +140°F
Size	10" x 6" x 2.25"
Weight	3 lbs
Functions	Up to 8 discrete
Battery Charger	110 & 220 VAC

STANDARD FEATURES

Transmitter (1100-3):

- Waterproof sealed aluminum case
- Internal tilt safety switch prevents accidental transmission
- Tactually sensitive function initiation switches
- External switch guard prevents accidental signal transmission
- Rechargeable long life NiMH batteries
- Lightweight, worn on belt, easy to use, easy to carry
- Brightly colored to minimize possibility of loss
- Digital Encoding system prevents accidental cross signaling
- Solid-state electronic circuitry
- Single-handed operation
- Will not detonate caps

Receiver (1100-4):

- Waterproof – sealed aluminum case, covered on/off switch
- Military style connectors for antenna & power cable connection
- Circuit board protection from fuse, on power input line
- Internal shock mounting for circuit boards
- Accepts signals only from matching transmitters
- Functions can be latching or momentary, discrete, sequential or time delayed
- Codes can be reprogrammed

Basic System:

1 Receiver, 3 Transmitters, Battery Charger, Case, Antenna and Installation Hardware

Basic Functions:

- Up at Various Speeds
- Down at Various Speeds
- Set & Release Clamps and/or Break
- Stop Carriage Function
- Start and Kill Engine

Complementary Products:

Carriage function annunciators for yarder operator
RadioWhistles for yarders
Speakers and Air Whistles
Relay Boxes