

TS100 TALKINGSIGN TRANSMITTER

USER MANUAL (PRELIMINARY)

REV 1.0

Introduction

More people are using the Internet than ever before to locate products and services and having an effective web page to promote business is becoming a necessity in today's world. Typically, many web sites go unnoticed by the public even if they are properly indexed on search engines - they are swamped by the sheer numbers on the Internet often resulting in disappointing results.

Experts advise that businesses must promote and advertise their sites if they are expected to succeed - evidence of billboard advertising and banners on web sites are everywhere.

Some Internet companies are spending a majority of their income just promoting their sites - this drains the profits of the company and could lead them down the road to ruin.

Consider also, that if the nature of your business is local - what good does it do to be seen worldwide but go unnoticed by your immediate customers?

What is needed is a technique that promotes your site in an effective, affordable manner. The TalkingSign™ transmitter is just such a device.

TalkingSign™ - The Transmitter

The TalkingSign™ is a compact, high quality, low-power AM radio transmitter that transmits repeating audio messages to regular AM radios over a few hundred feet.

Features:

- Audio stored on flash technology digital chips.
- 30 channel quartz-synthesized tuning.
- Fully FCC/ ICES approved requires no license to operate.
- Easy to use, only taking minutes to set up.

The TalkingSign™ is usually located in a house or business with a sign out front requesting the customer tune their AM radio to a certain frequency to listen for information.

The out-front sign also promotes the TalkingSign.com web site to which the customer may at a later time browse to receive more detailed information.

TalkingSign.com - The Web Site

TalkingSign.com is where it all happens.

For example:

Acme Windows is a small company that installs retrofit windows. During a job they typically leave a sign in the front yard of the house they are working on displaying their name and phone number. This usually gets them more business once they are in the area.

Let's see what happens when they also use TalkingSign™:

The TalkingSign™ transmitter with recorded message is left inside the house and continuously repeats a message pre-recorded by Acme. The sign in the front yard still has their name and phone number, but now it also displays the TalkingSign™ logo and words that ask those interested to tune their car radios to 1620AM. People are naturally inquisitive and can now listen to a sales pitch about the specials on windows - and they can do this in private without feeling pressured by salespeople.

They can also visit the TalkingSign.com web site later to look at pictures, testimonials etc. of Acme Windows.

Result:

The window company now has a 'focussed web presence', generating more business without any more work on their part.

Acme's name also appears on the TalkingSign.com website under windows and can be found when potential customers do a search for 'windows' on the site's database.

As a further benefit, other business people who use the transmitters and the web site are also promoting the TalkingSign.com site, thus causing more 'eyeballs' to be directed there, resulting in even more business for everybody. It's a win-win situation.

Front drawing of unit

- (a) LIVE button
- (b) STOP button
- (c) PLAY button
- (d) REC button
- (e) Wire antenna tuning meter

Rear drawing of unit

- (1) Wire antenna tuning control
- (2) Wire antenna/50 ohm remote antenna selector
- (3) Antenna
- (4) 'hundreds' frequency select
- (5) 'tens' frequency select
- (6) 12 VDC power input
- (7) Front panel controls lock
- (8) Internal speaker volume control
- (9) LINE input from tape deck, CD etc.
- (10) MIC input
- (11) Anti-theft lock hole

Setup

You should have received the following items:

TalkingSign™ transmitter
120VAC to 12VDC wall adapter
wire antenna
lapel microphone
owner's manual

Step 1

Plug antenna wire into antenna (3) and extend out horizontally.

Step 2

Select '3m wire' with antenna selector (2)

Step 3

Connect wall adapter to 12VDC input (6).

Step 4

Plug wall adapter into standard 120 volt outlet.

Step 5

Select desired transmit frequency using slide switch (4) and rotary switch (5). 30 channels are available from 1400AM to 1690AM. Before choosing a frequency, make sure it is clear by 'listening' with an AM radio. Competing with other signals will reduce the range of the TalkingSign™.

Step 6

Taking care not to touch antenna wire, turn the wire antenna tuning control (1) until the wire antenna tuning meter (e) shows a maximum reading. Each time you change the broadcast frequency, or move the antenna, retune for maximum output.

Record Message Using Lapel Microphone

The TalkingSign™ stores messages digitally with no moving parts to wear out. Your recorded message time may be any time up to 5 minutes and on playback, the message will continuously repeat regardless of length with no 'dead-air' time.

Step 1

Connect the lapel microphone to (10) and attach to your clothing about 6 inches from your mouth (like on TV talk shows). Not handling the microphone results in a 'clean' noise-free recording.

Step 2

Switch the front panel controls lock switch (7) to the unlocked position. This activates the front panel buttons (a-d).

Step 3

When ready to record, press REC button (d) and speak with a normal voice. Use a clock to gauge how long you are recording. When finished press STOP (b).

Step 4

Switch the control lock switch (7) to the locked position. This deactivates the front panel buttons (1-4), preventing accidental recording.

Note: When front panel buttons are unlocked, they flash when pressed. When locked, the last button pressed remains on, but does not flash.

Record Message From An External Device

The TalkingSign™ may also record from an external device such as a tape deck or CD player.

Step 1

Attach a 'patch cord, (not supplied) from the line/audio out of the external player to the LINE IN (9) of the TalkingSign™. The cord should have a 3.5mm stereo 'headphone-type' plug on the TalkingSign™ end and the other end should match the output connector on the external player. Radio Shack #42-2475 or #42-2387.

Step 2

Switch the control lock switch (7) to the unlocked position. This activates the front panel buttons (a-d).

Step 3

When ready to record, start the external player and then press the REC button (d). Use a clock to gauge how long you are recording. When finished press STOP button(b).

Step 4

Switch the control lock switch (7) to the locked position. This deactivates the front panel buttons (a-d), preventing accidental recording.

Note: LINE IN and MIC IN are mixed internally and may be used simultaneously.

Note: When front panel buttons are unlocked, they flash when pressed. When locked, the last button pressed remains on, but does not flash.

Broadcast Live

The TalkingSign™ may also be used to continuously broadcast audio with no recording occurring.

Step 1

Switch the control lock switch (7) to the unlocked position. This activates the front panel buttons (a-d).

Step 2

Connect the lapel microphone to MIC (10) and/or connect an external audio player to LINE IN (9).

Step 3

Press LIVE button (a) to broadcast.

Step 4

If desired, switch the control lock switch (7) to the locked position. This will permanently keep the TalkingSign™ in LIVE mode.

Note: LINE IN and MIC IN are mixed internally and may be used simultaneously.

Note: When front panel buttons are unlocked, they flash when pressed. When locked, the last button pressed remains on, but does not flash.

Specifications

30 channel PLL quartz synthesizer

1400kHz to 1690kHz AM

100mW maximum output power

Power: 12VDC or 120VAC with wall adapter

Line input 1Vpp (0dBm) nominal for 85% modulation

Microphone input

Internal speaker with volume control

5 minute message length

Message storage: flash digital memory chips

3 metre flexi-wire antenna

Dimensions: 9.1" W x 5.3"D x 2"H (230 x 135 x 55mm)

Weight: 2.2lb (1kg)

Case: textured black painted steel

Compliance Statement

AM Transmitter

Model: TS100

FCCID: PEPTS100

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference that may cause undesired operation of the device.

This device generates and uses radio frequency energy and if not used properly may cause interference to radio and television reception. It has been tested and found to comply with the limits set by the FCC which are designed to provide reasonable protection against such interference.

CAUTION:

FCC Regulations state that changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference that may cause undesired operation of the device.

Ce dispositif est conformé au CNR-210 d'industrie Canada.

L'utilisation de ce dispositif est autorisée seulement aux conditions suivantes:

- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

Electrical Safety Approvals

UL1950, CSA, CE, CB, T-Mark

WARNING: To prevent fire or electric shock, only use in a dry location!

No adjustments or user-serviceable parts within unit.

Refer all servicing to service@talkingsign.com

Limited Warranty

TalkingSign.com Inc. (the company) warrants to the original purchaser of this TalkingSign™ transmitter that should this transmitter be proven defective in material or workmanship within 1 (one) year from the date of the original purchase, such defects will be repaired or replaced (at the company's option) without charge for parts or labour.

For repair inquiries, email to service@talkingsign.com. For warranty coverage, a dated bill of sale is required as proof.

This warranty does not apply to a TalkingSign™ transmitter or part thereof which has been damaged through alterations, mishandling, misuse, neglect or accident.

The company is not responsible or liable for indirect, special or consequential damages arising out of or in connection with the use or performance of the TalkingSign™ transmitter or damages with respect to any economic loss, loss of revenue or profits, installation or other consequential damages of whatsoever nature.

Some provinces/states may or may not allow the exclusion or limitation of incidental or consequential damages. Accordingly, the above limitation may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from province/states to province/states.