

STV-02 COMBO RECEIVER

Quick start

Low power – symbol “CT” is not displayed.

Microphone amplifier gain

[F] [6] – to set the microphone amplifier gain.

High gain – symbol “T” is displayed.

Low gain – symbol “T” is not displayed.

Audio compressor activation/deactivation

[F] [3] – to activate/deactivate the audio compressor.

Activated – symbol “APO” is displayed.

Deactivated – symbol “APO” is not displayed.

Changing operating frequency

Enter a frequency, following preceding sections “**Entering a frequency**” and “**Changing frequency, using [UP] [DOWN] key**”.

! Frequency step in digital mode is unchangeable and equal 100 kHz.

Transmitting settings to the STRC-400

[F] [Transmitter ON] – to transmit settings (output power, microphone amplifier gain, audio compressor activation/deactivation and operating frequency) to the STR-400.

In case the transmitter is deactivated, settings will be transmitted when the transmitter will be activated.

Power save mode

If the active channel becomes clear (no signal) and squelch closes, the receiver switches to power save mode in 3 min. At that mode the display is off, the receiver will automatically switch on for 1 sec. and off for 10 sec. the receive circuitry only. When the signal will be located and squelch opens, the receiver resumes the normal operation.

Press and hold down for 2 sec. any key (except of [Power key]) for resuming the normal operation.

Press and hold down for 3 sec. the [Power key] to switch off the receiver.

Controls



[CALL] hold down for 1 sec. – to cancel entering PIN-code.

STRC-400 transmitter setting-up procedures

In order to make the transmitter ready for the operating with the receiver, following next steps:

1. Enter the PIN-code in case it was not entered before.
2. Select the memory channel.
3. Set the digital mode of the receiver.
4. Plug in the charger (5V, 500mA) to the transmitter. Charger jack is located under rubber cap, on the transmitter's side face. There is 3 min. after connecting the charger in order to complete the transmitter setting-up procedures. In case it is not finished in 3 min., unplug the charger for more than 10 sec. and repeat the setting-up procedures again, starting with step 4.
5. Press and hold down for 1 sec. the [REV] key. The memory channel number starts blinking.
6. Press the [Transmitter ON] key. The control word is transmitted to the STRC-400 during 6 sec. The green color of the "TX/BAT" lamp indicates the transmitting.

[CALL] – to cancel setting-up procedures (if Step 6 was not performed the transmitter STRC-400 will not be reprogrammed).

! Before the programming of the STRC-400, it is necessary to deactivate it (if it was activated before). To deactivate the STRC-400 set the programming mode according to Step 4 and Step 5, press the [Transmitter OFF] key.

STRC-400 transmitter, control and settings

Perform setting-up procedures, following the previous section, before starting with STRC-400.

Enter the PIN-code that was used at programming the transmitter (if it was not entered before).

Select the memory channel in which the STRC-400 transmitter settings were stored.

Activation/deactivation the transmitter

[Transmitter ON] – to activate the transmitter.

[Transmitter OFF] – to deactivate the transmitter.

Output power

[F] [9] – to set the output power of the transmitter.

High power – symbol "CT" is displayed.

Search mode

Press and hold down for 1 sec. the [VFO] key; symbols “S” and “R” start blinking.

[UP] [DOWN] – to start search upward or downward, according to pressed key.

When an active frequency has been located (busy so the squelch opens), the search will stop.

[VFO] – to accept the frequency and finish search;

[UP] [DOWN] – to resume search or change search direction;

[CALL] – to stop search;

[CALL] hold down for 1 sec. – to cancel search.

! Search mode is available in analog mode only

Tone control

Press [F] [4] for treble control.

[UP]/[DOWN] – to select treble level.

[F] – to accept selection.

[CALL] – to cancel.

Press [F] [5] for bass control.

[UP]/[DOWN] – to select bass level.

[F] – to accept selection.

[CALL] – to cancel.

Keypad lock

Press and hold down key for 1 sec. the [F] to activate keylock. The key symbol appears in the lower right corner of the LCD.

Press and hold down for 1 sec. the [F] key again to deactivate keylock.

Receiving a digital signal

In the digital mode, the symbol “R” is not displayed.

To switch to the digital mode press [F] [7].

Before using the receiver in digital mode, it is necessary to enter PIN-code.

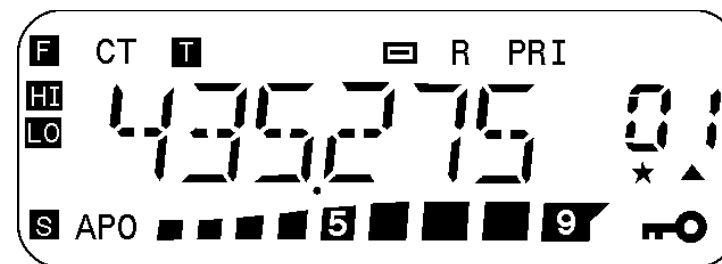
PIN-code is a four-digit number, which takes part in generation of the unique code chain that is used for encoding/decoding the digital signal and for control the transmitter.

Press and hold down for 1 sec. the [CALL] key. Enter the PIN-code using the numeric keys.

[F] – to accept the PIN-code.

[CALL] – to delete a last digit.

Display



Charging the battery

Before using STV-02, charge the battery fully!

Use only original battery and charger!

Plug the AC adapter (12V, 1000mA) connector into “Charger jack”. The red color of the “TX/BAT” lamp indicates the charging is in progress.

Battery monitoring

When the battery voltage drops lower than 7.4V, the “TX/BAT” lamp blinks with red. The blinking becomes faster when the battery voltage drops lower than 7V and the beeps are heard when the voltage is lower than 6.6V. After beeps, the receiver is switching itself off automatically.

To check the battery voltage, press and hold down for 1 sec. the [1] key.

The voltage is represented in percents. The value 0% corresponds to 6.6V, 100% corresponds to 8.35V.

Using receiver

Before turning on the receiver, connect the antenna! Pull out the antenna up to 25cm in order to achieve maximum range of the Remote Control transmitter.

Press and hold down for 3 sec. the [Power] key to switch the receiver on/off.

LCD backlight

Press the [LCD backlight] key to turn on/off the display backlight. Backlight fades out automatically in 10 sec. after last keypresses.

Press [F] [LCD backlight] – to switch on the backlight permanently.
Press [F] [LCD backlight] again to switch off this function.

Output power of the Remote Control transmitter

Press [F] [REV] for switch the output power of the Remote Control transmitter.

High power – symbol “**H**” is displayed.

Low power – symbol “**L**” is displayed.

Memory channels

The receiver contains 100 memory channels (00, 01, 02 ... 97, 98, 99). Each memory channel holds frequency and modulation in analog mode, STRC-400 settings in digital mode.

Selecting memory channel

[UP]/[DOWN] – to select a memory channel.

[UP]/[DOWN] hold down for more than 1 sec. for fast searching of the memory channel.

Entering a memory channel

Press [MR]; enter a memory channel number, using the numeric keypad. Memory channel number consists of two digits. After typing the second digit, the receiver switches to the entered memory channel.

[CALL] – to delete a last digit.

[CALL] hold down for 1 sec. – to cancel entering memory channel.

Locking memory channel

Press [F] [0] – to lock/unlock the selected memory channel. Symbol “**★**” appears when the memory channel is locked. The locked memory channel is protected from the editing.

Skip memory channel

Press [F] [2] – to skip the selected memory channel. Symbol “**▲**” appears when the memory channel is skipped. The skipped memory channel is ignored during memory scan process and during memory channel selection by means of the keys [UP]/[DOWN].

Memory scan

Press and hold down for 1 sec. the [MR] key. Symbol “**S**” starts blinking.

If the current channel is not active (the squelch is closed), the scan process will start in 3 sec.

[UP]/[DOWN] – to start scan upward or downward, according to pressed key.

When an active channel has been located (busy so the squelch opens), the scan process will stop.

[UP]/[DOWN] – to resume scan. When the channel becomes clear (the signal disappears) and squelch closes, the receiver will resume scan in 3 sec.

[F] – to stop the scan. The receiver keeps the current memory channel.

[CALL] – to cancel the scan. The receiver returns to the memory channel from which the scan process has been started.

! The skipped memory channel is ignored during the scan process.

Receiving an analog signal

In the analog mode, the symbol “**R**” is displayed.

To switch on the analog mode press [F] [7].

Entering a frequency

Press [MHz]; enter a frequency, using the numeric keypad.

[CALL] – to delete a last digit.

[F] – to accept the frequency.

[CALL] hold down for 1 sec. – to cancel entering frequency.

There is no need to key the decimal point and trailing zeros.

Changing frequency, using [UP] [DOWN] key

Press [F]; symbol “**F**” appears in the upper left corner of the LCD.

[UP]/[DOWN] – to change a frequency upon the STEP.

[UP]/[DOWN] hold down for more than 1 sec. for fast changing a frequency.

[F] – to accept the frequency.

Changing frequency STEP

Press [F]; symbol “**F**” appears in the upper left corner of the LCD; press [MHz]; a current frequency STEP will be displayed.

[UP] [DOWN] – to select a frequency STEP. There are five steps available: 5 kHz, 10 kHz, 25 kHz, 100 kHz and 500 kHz.

[F] – to accept the selection.

[CALL] – to cancel changing the frequency STEP.

! The active frequency will change automatically to the nearest multiple of step value.

Changing receiver modulation

Press [F]; symbol “**F**” appears in the upper left corner of the LCD; press [8] to change receiver modulation.

NFM – symbols “**R**” and “**PRI**” are displayed.

WFM – symbol “**R**” is displayed.