

SPECIFYING AN RM-1 R/C REMOTE CONTROL SYSTEM

The Tonick Watering RM-1 may be controlled through a hand-held mobile radio. A version of the RM-1 called the RM-1 R/C has a built-in radio receiver system. Using the keypad on a hand-held radio, DTMF tones are sent, which are decoded by the RM-1 and used to activate a watering sequence. When not controlling the irrigation, the hand-held radio can be used for voice communications with other staff radios.

Because a reasonable transmitter power is required to cover the whole area, it is normally necessary to apply to the relevant communications agency for a mobile radio licence. In the UK, this is the Radio Communications Agency (RCA). Tonick hold blank forms for this purpose. After payment of the appropriate fee, the agency allocates a frequency and supplies a licence.

On receipt of the radio frequency, Tonick orders the correct radio receiver module, and after a delivery time of 4-6 weeks, this is fitted into an RM-1 R/C motherboard. One or more hand-held radios are ordered and configured to that same frequency. With the addition of a 1/4 wave aerial, the system is then ready for shipment.

The following items may be required:

TRNSLTR	Tonick Translator, line driver w ith LPU	£599.00
HHR-KB-01	Hand-held radio w ith keypad	£375.00
HHR-01	Hand-held radio, no keypad	£270.00
CHG/HHR01	Mains charger for HHR-01	£51.00
ANT-01	1/4 w ave w hip aerial and 10m length coaxial feeder	£50.00
CBL-RM/PRINT	Cable, RM-1 to Centronics type printer	£50.00
PRT-01	Printer Dot Matrix	£150.00

Notes:

- The number of Translators is between one and four; one for each field cable.
- A minimum of one radio with keypad is required.
- The printer and cable are optional, but highly recommended.

The following page illustrates the key codes required to water one hole, pause watering, resume or abort. It is not possible to initiate a complete watering program, just water a Tee, Fairway, Approach or Green for a number of minutes. Individual or all stations in an area can be commanded, however hydraulic and electrical restrictions will be respected.

TONICK WATERING LTD
RADIO REMOTE CONTROL CODES. For HX390U Radio.

Hold down the transmit button whilst keying. Press the following keys. Then release the transmit button.

To Water:

* hh a ss tt #

hh= hole number: 00= Putting etc.
Always use 2 digits. E.g. 01

a= Area: 0= Tee, 1= Fairway,
2= Approach, 3= Green

tt= Watering time: (minutes)
Always use 2 digits. E.g. 08

ss= Station number: 00= all stations,
01-xx= individual stations.
Always use 2 digits. E.g. 00

To Pause: * * *

To Resume: * #

To Abort: # # #

Unless you are trying to operate more than one RM-1 with the same radio, set the RM-1 remote address to 0.

For technical help, phone 01243 554060
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