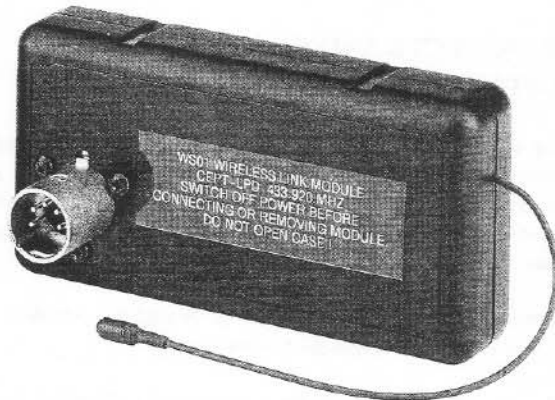


## Preliminary Information

The Klark Teknik WS01 Wireless Link is the ultimate accessory for the DN3698 Hand Held Remote Controller and Docking Station. The WS01 achieves fully cable free communication between the HHRC and the Docking Station, with a go anywhere range of up to 100 metres. For increased range, the WS01 can be connected to the Docking Station via the supplied 5-pin cable and mounted remotely.



The WS01 system consists of a pair of sealed, rugged boxes with 5-pin XLR connectors. One plugs on to the rear of the DN3698, the other onto the front panel of the Docking Station. Switch on power to both units and you are ready to go. It's as simple as that. DN3698 battery life when used wireless is in excess of 5 hours. A full recharge takes less than 2 hours.

Communication is two way, so that the Remote Controller always knows what the DN3600 equalisers are doing and vice versa. All messages are individually error checked at both ends via a proprietary Klark Teknik algorithm and unreliable data is rejected.

Either of two digitally encoded channels - named 'Red' and 'Green' - can be selected on the DN3698. This allows one Controller to address two separate Docking Stations, or two Controller/Docking Station systems to be used in close proximity to each other on the same radio frequency.

The WS01 Wireless Link is available in two frequency variants for international compatibility. At 418.00 MHz the WS01-418 is type approved to MPT1340 and hence license exempt in the UK. 418.00 MHz is also accepted by Holland and the USA.

At 433.92 MHz the WS01-433 is license exempt across Europe as it confirms to European standard ETSI 300-200. This frequency is also accepted in the USA and Canada. Further information relating to specific territories is available from Klark Teknik.

# WS01

## Wireless Link for DN3698 HHR and Docking Station

### Features

- True bi-directional wireless connection of DN3698 and Docking Station.
- Range of up to 100m in open space.
- Powered from DN3698 and Docking Station - no separate batteries required.
- Error checking of all data.
- Addressing on two channels.
- Availability of two frequencies allows approved operation in most territories.



## Preliminary Information

# WS01

## Wireless Link for DN3698 HHR and Docking Station

### ARCHITECTS AND ENGINEER'S SPECIFICATION

The wireless system must provide radio communication between the Klark Teknik model DN3698 Hand Held Remote Controller and Klark Teknik Docking Station. Communication must be bi-directional and include full error checking of all data.

Connection should be via 5-pin XLRs and the wireless system should require no separate power supply.

When used with the wireless system, the DN3698 should be able to individually address two individual channels, to allow the use of one DN3698 with two Docking Stations, or use of two DN3698 + Docking Station pairs in close proximity.

The wireless system is the Klark Teknik model WS01 Wireless Link and no alternative is specified.

### TECHNICAL SPECIFICATION

<b>Mechanical</b> Connection	<b>Sealed box</b> 5-pin XLR
<b>Electrical</b> Frequency ( $\pm 95$ KHz) Radiated power (ERP) Spurious radiation @ 433.92MHz Spurious radiation @ 418.00MHz Receiver sensitivity Data rate	<b>Half duplex FM transceiver</b> 418.000MHz or 433.920MHz -6dBm $\pm$ 3dBm Meets ETS 300-220 Meets MPT 1340 -107dBm 15.625KHz
<b>Range</b> Maximum in building Typical in free field	30 metres 100 metres
<b>Dimensions</b> Width Depth Height	<b>(per unit)</b> 130mm (5 $\frac{1}{4}$ inch) 65mm (2 $\frac{3}{4}$ inch) 57mm (2 $\frac{1}{4}$ inch)
<b>Weight</b> Nett Shipping	<b>(per pair)</b> $\frac{1}{2}$ kg 1 $\frac{1}{2}$ kg



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